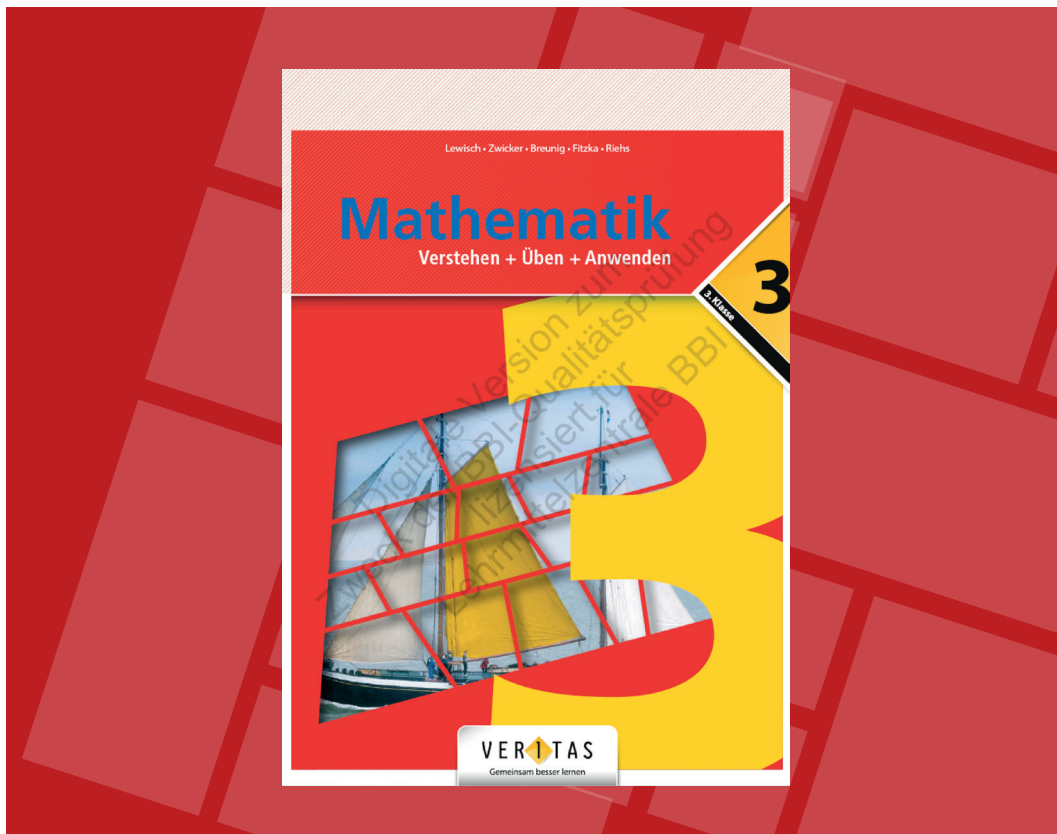


**Tastbare Versionen ausgewählter  
Grafiken aus dem Schulbuch**

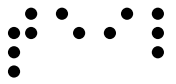
# Mathematik

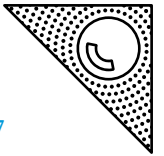
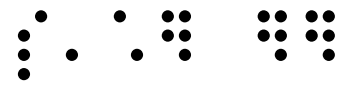
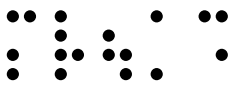
## Verstehen + Üben + Anwenden **3**

••• ••••• ••••• ••••• ••••• ••••• ••••• •••••  
••• ••••• ••••• ••••• ••••• ••••• ••••• •••••



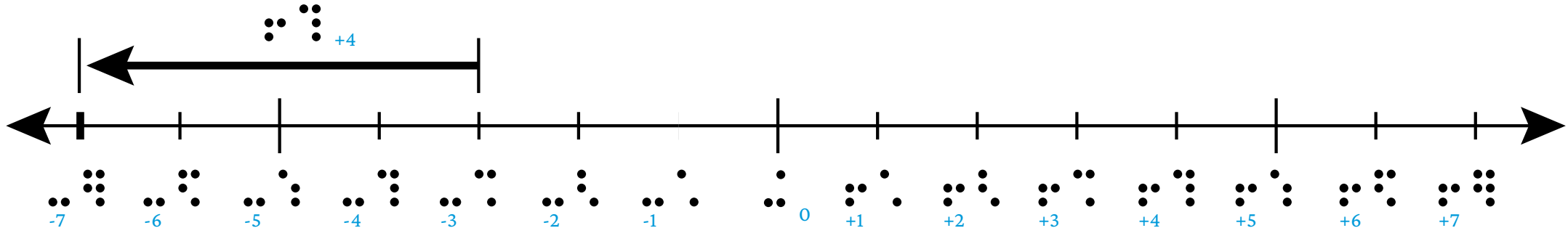
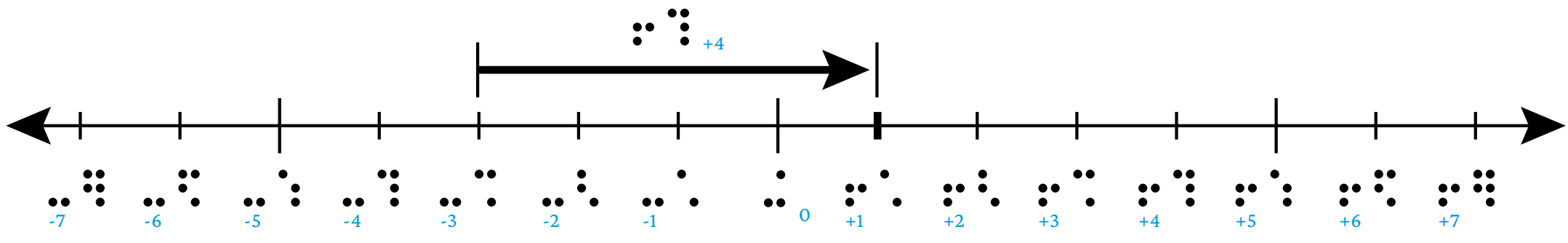
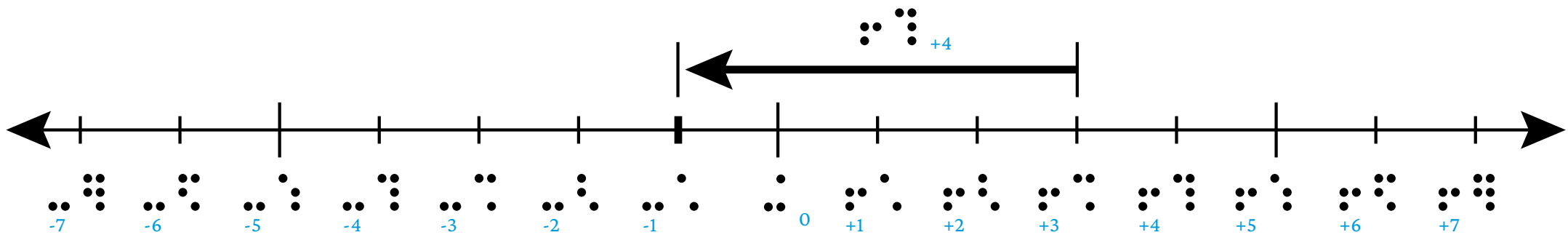
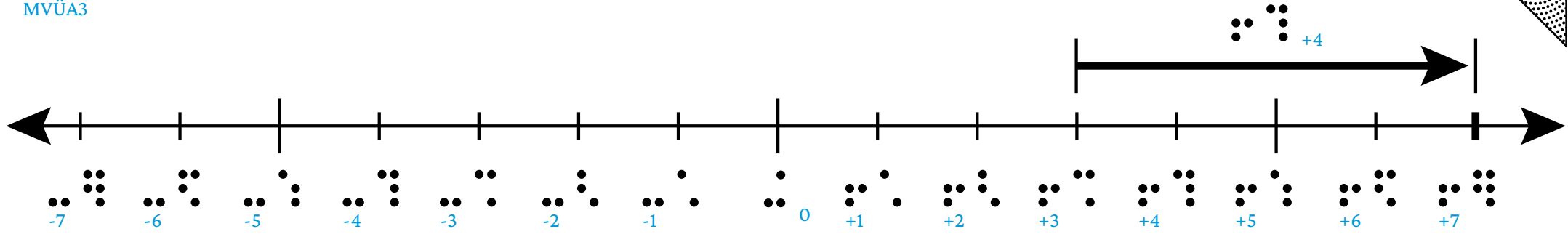
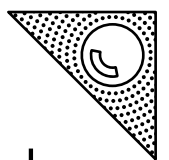
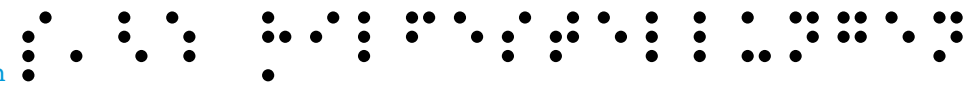
**Grafiken: Tomáš Batha**



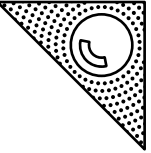


Kontoauszug (EURO)

Datum	Ausgänge	Eingänge
05.03	737,00 -	
06.03	350,00 -	
10.03		1245,00 +
10.03		82,00 +
16.03	578,00 -	
22.03		564,00 +
23.03		200,00 +
Alter Kontostand		163,00 +
Summe Ausgänge		1665,00 -
Summe Eingänge		2091,00 +
Neuer Kontostand		589,00 +





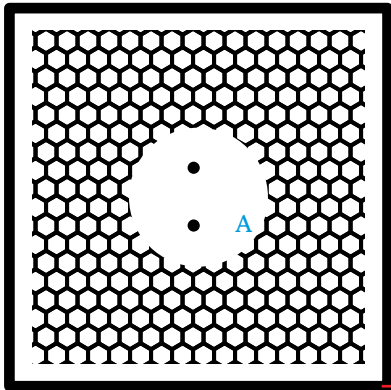


Braille text: "Quadrieren"

Quadrieren

Braille text: "Flächeninhalt eines Quadrats"

Flächeninhalt eines Quadrats



a

a

Braille text: "A = a \* a = a^2"

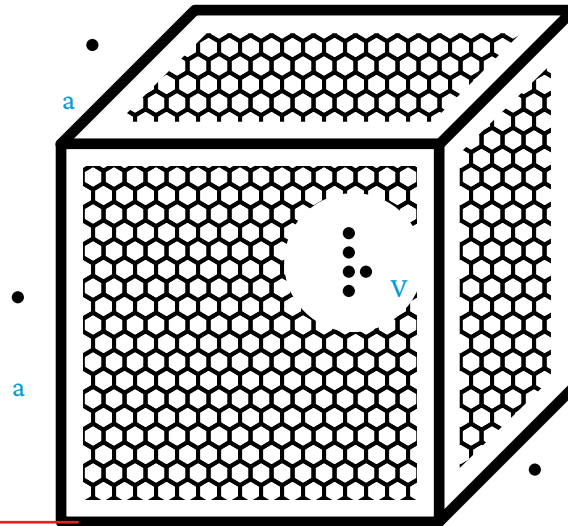
$A = a * a = a^2$

Braille text: "Kubieren"

Kubieren

Braille text: "Volumen eines Würfels"

Volumen eines Würfels



a

a

a

a

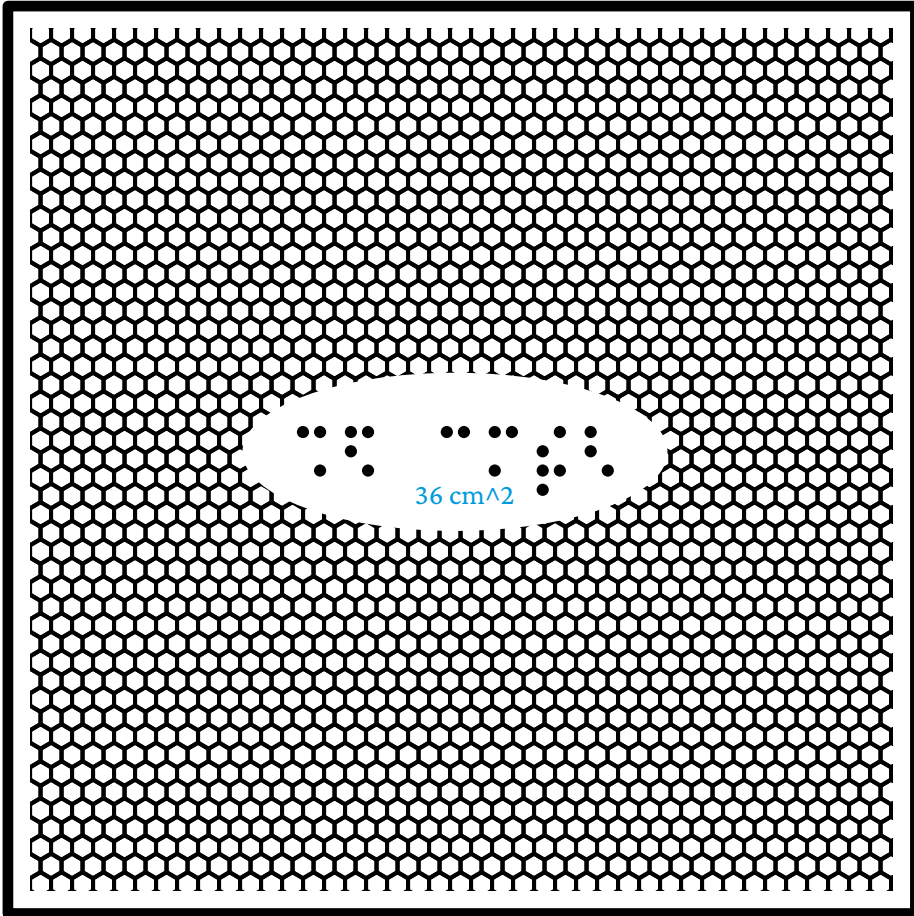
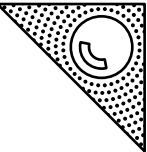
a

Braille text: "V = a \* a \* a = a^3"

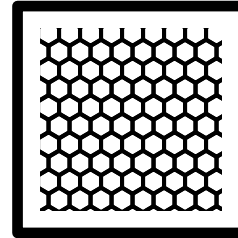
$V = a * a * a = a^3$

Braille text: "Siehe 3D-Modell"

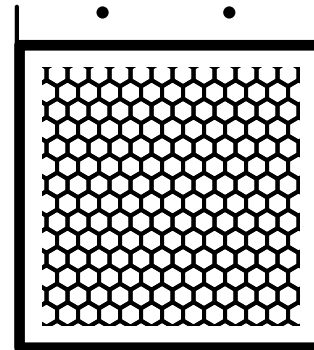
Siehe 3D-Modell



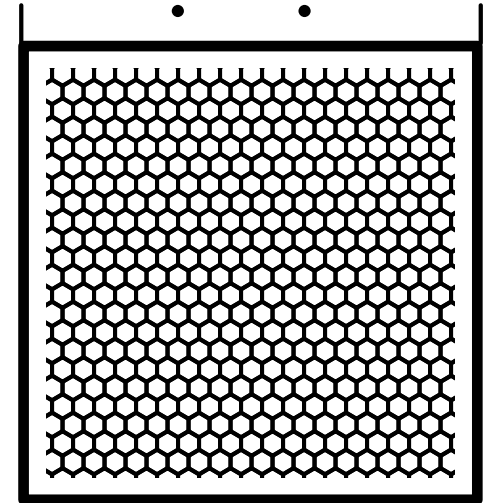
2,25 cm<sup>2</sup>



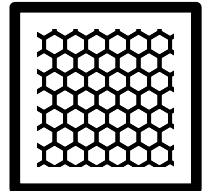
2 cm



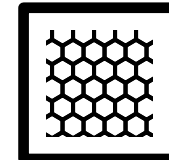
3 cm

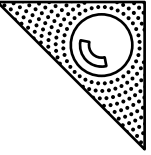


1,44 cm<sup>2</sup>

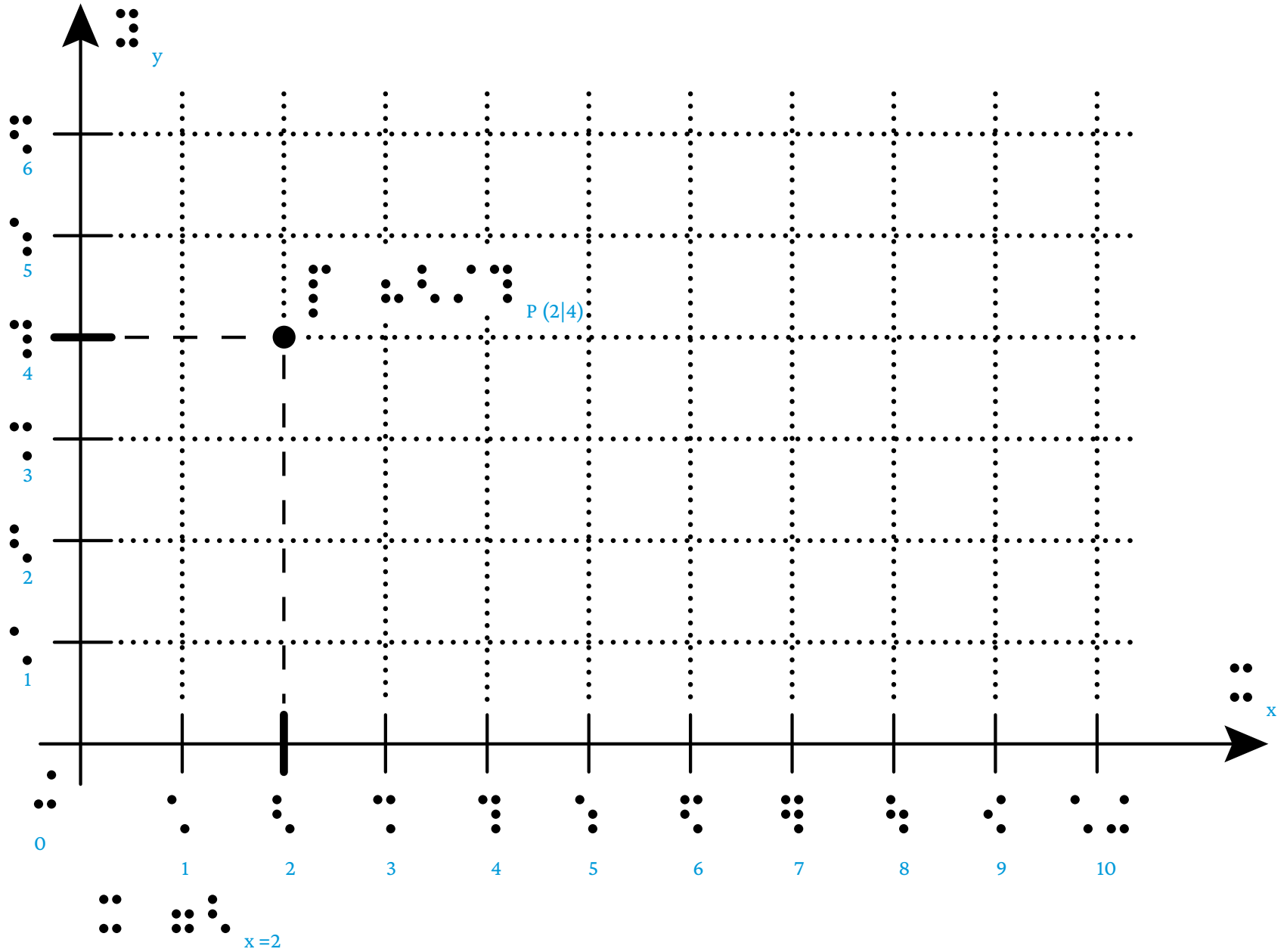


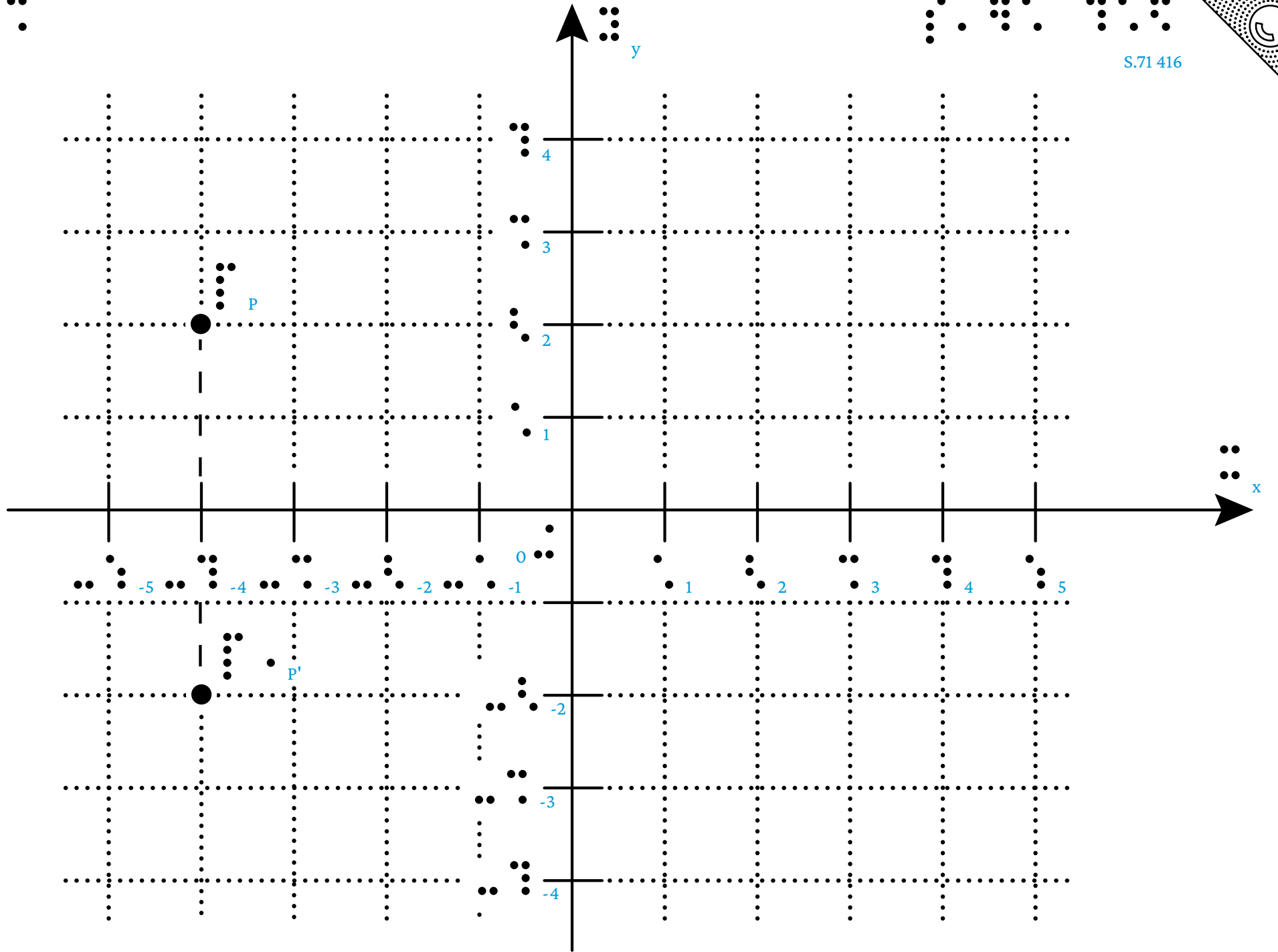
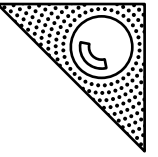
1 cm<sup>2</sup>



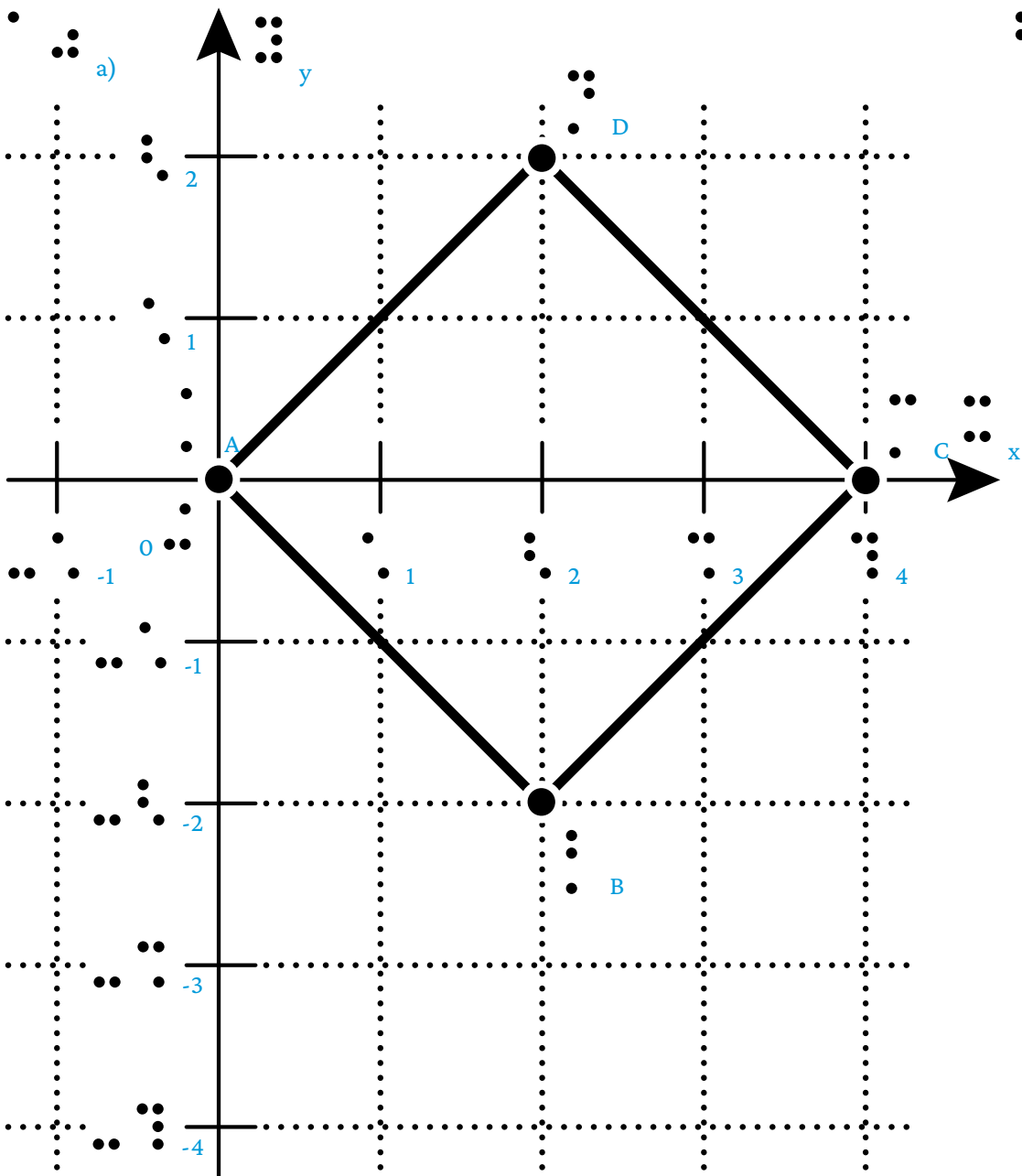


Braille characters for  $y=4$

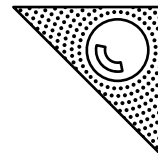
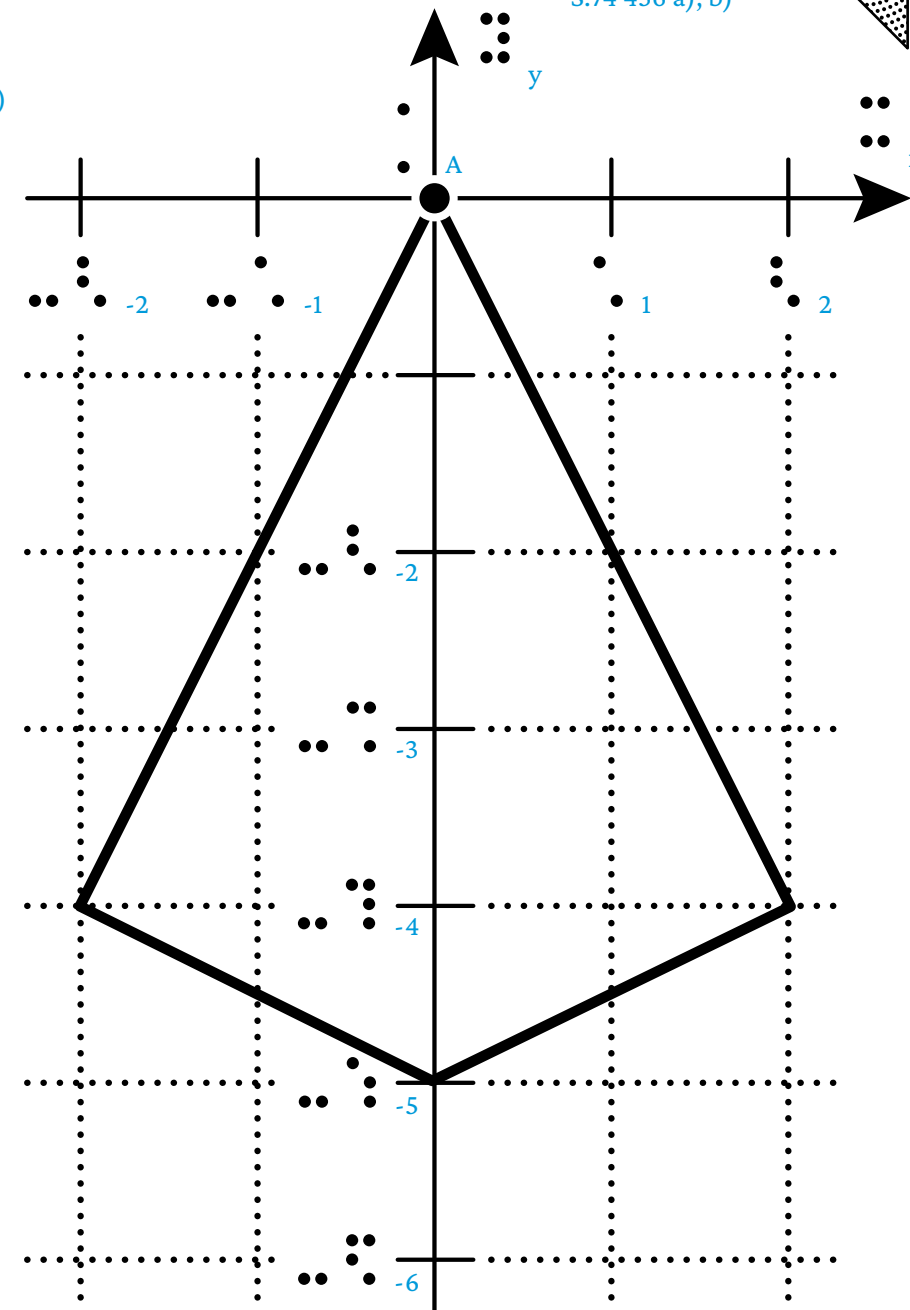


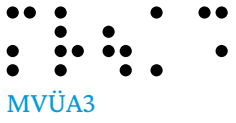


MVÜA3

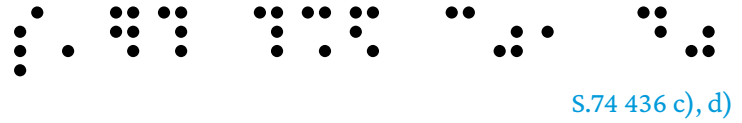
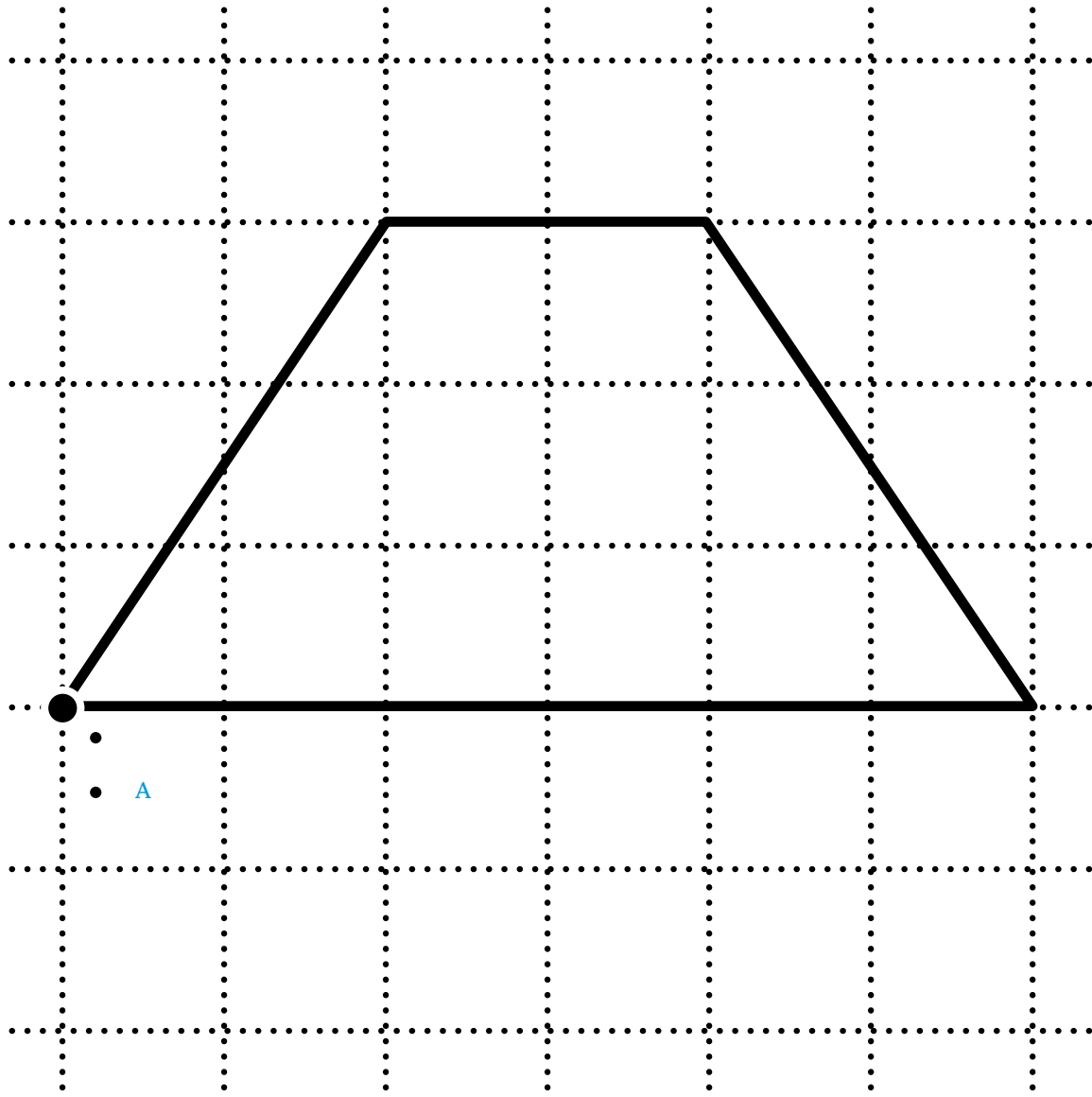


S.74 436 a), b)

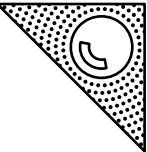
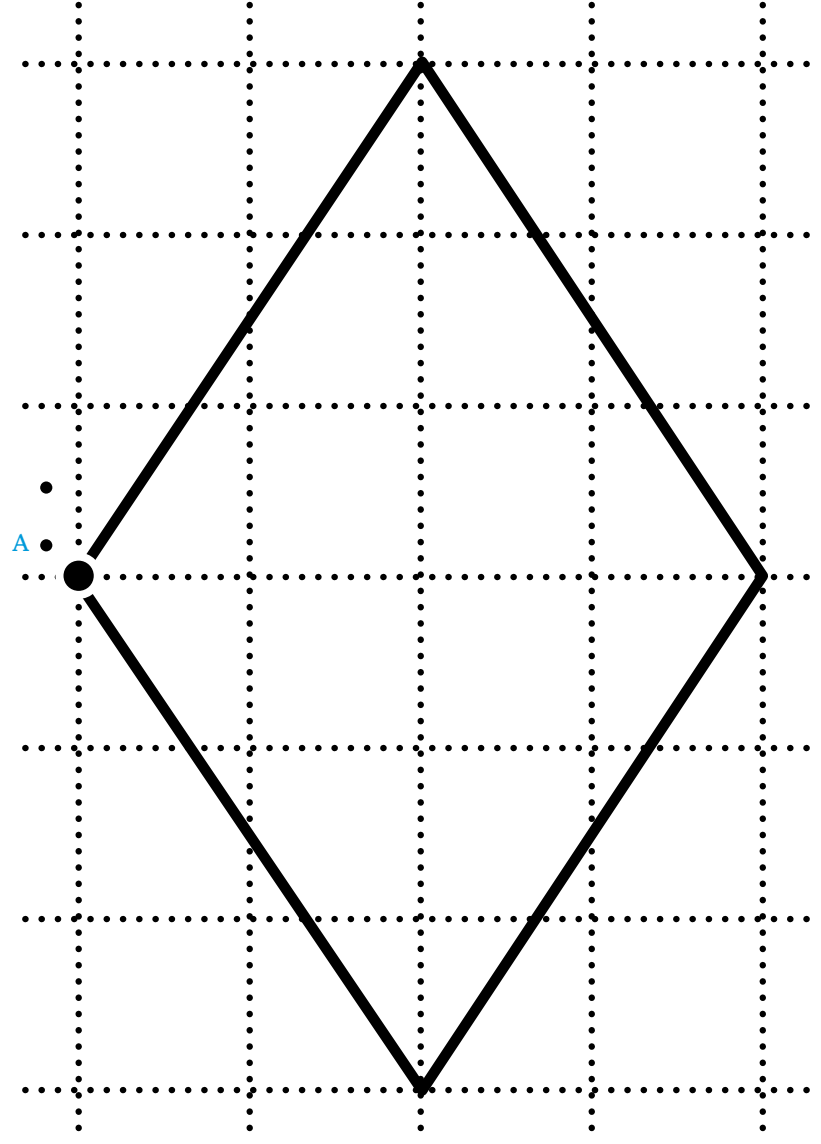
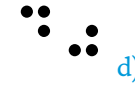


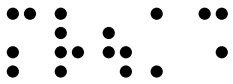


MVÜA3

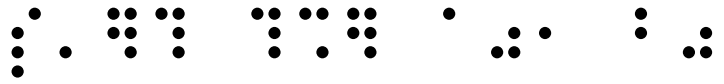


S.74 436 c), d)

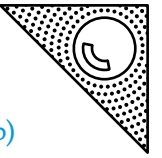




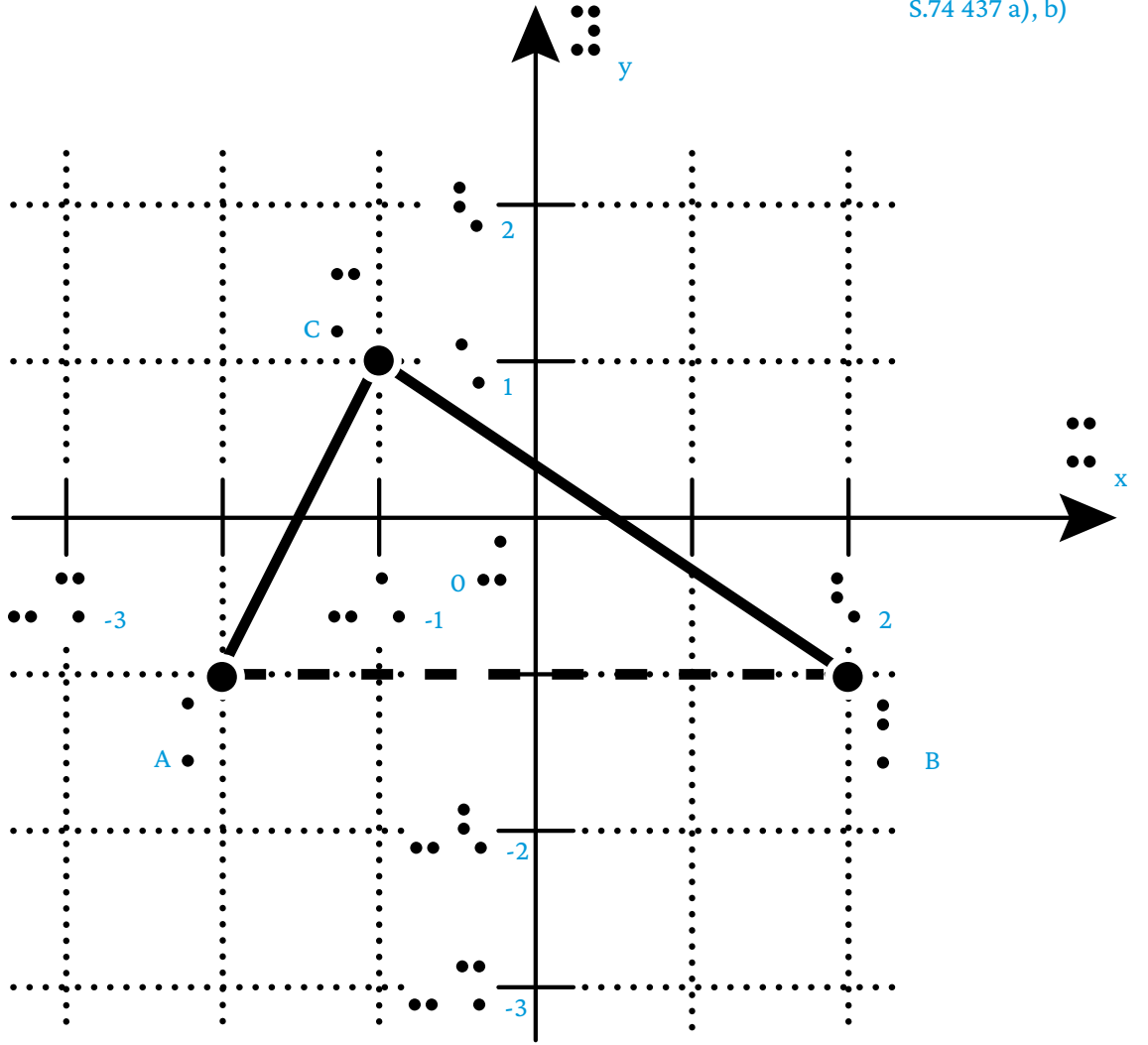
MVÜA3



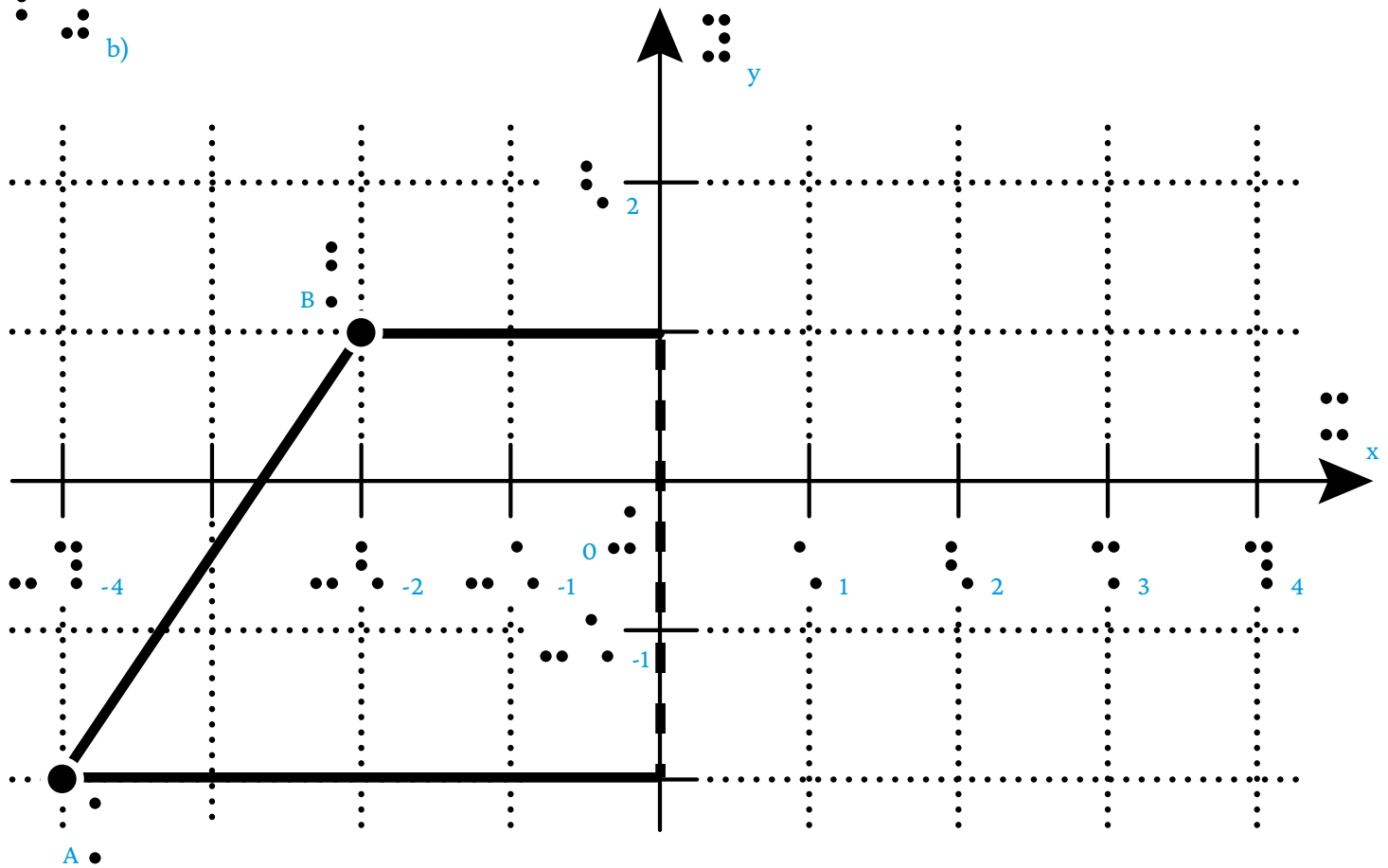
S.74 437 a), b)

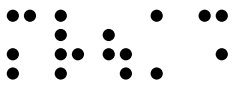


a)

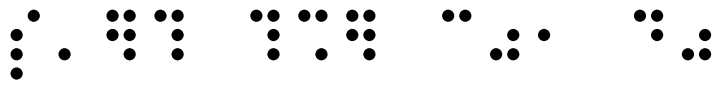


b)

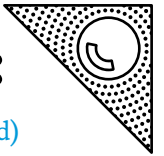




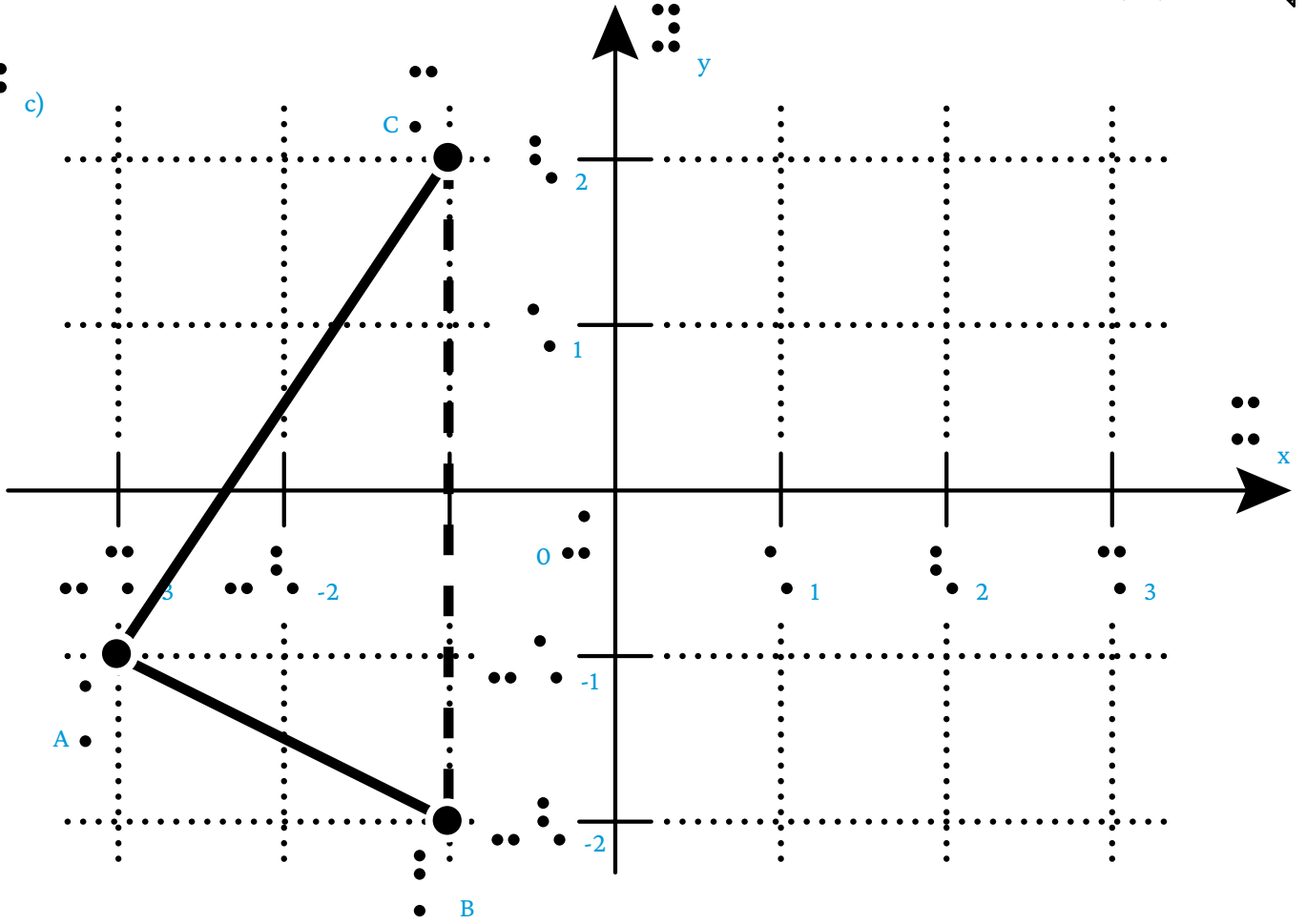
MVÜA3



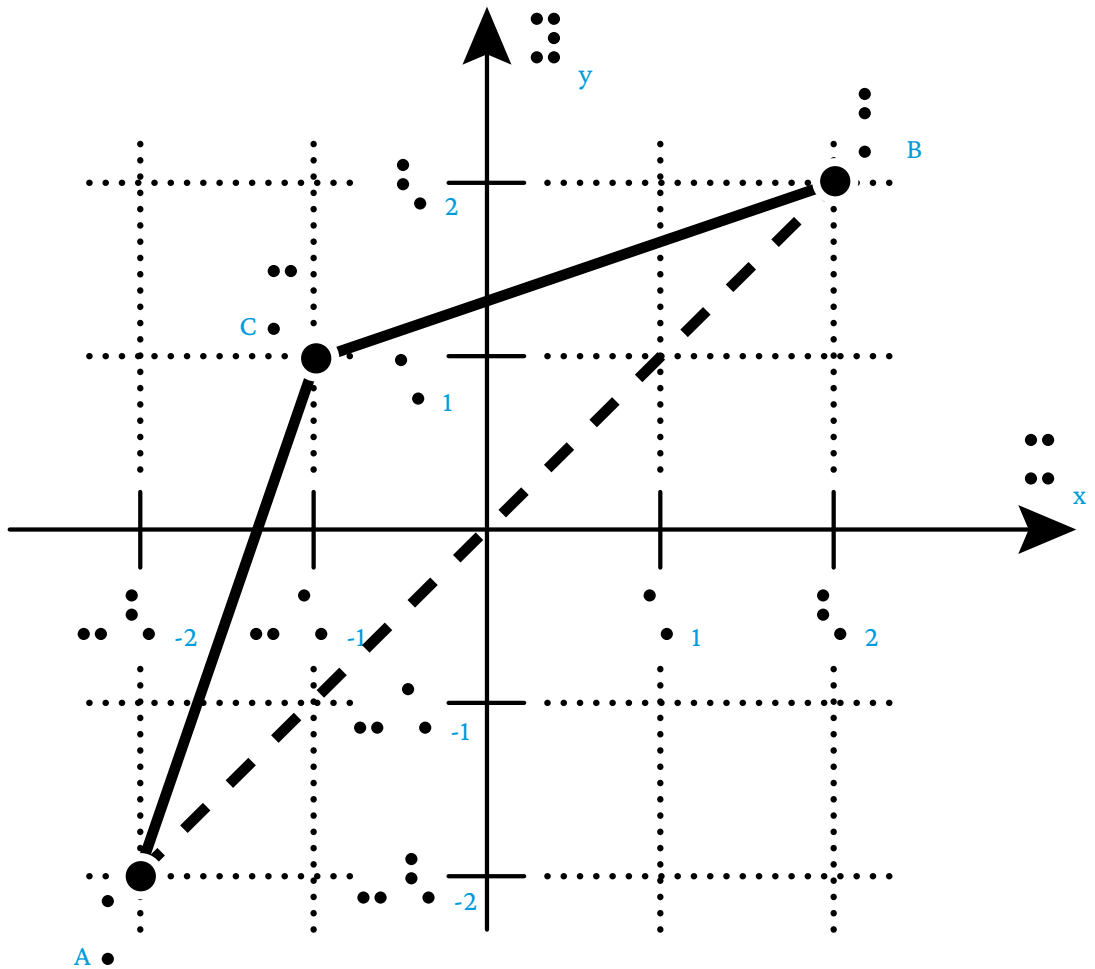
S.74 437 c), d)



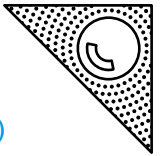
c)



d)

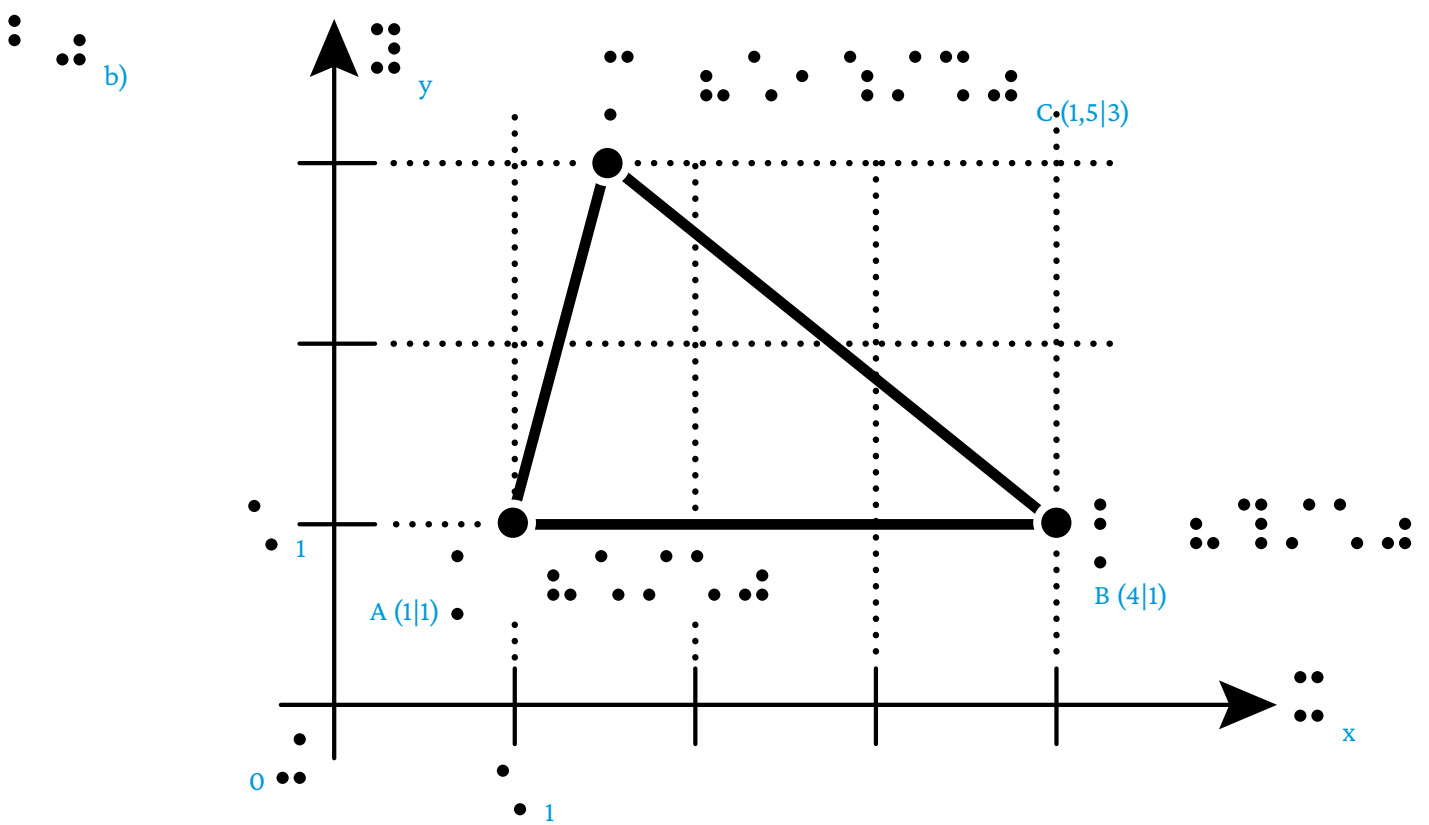
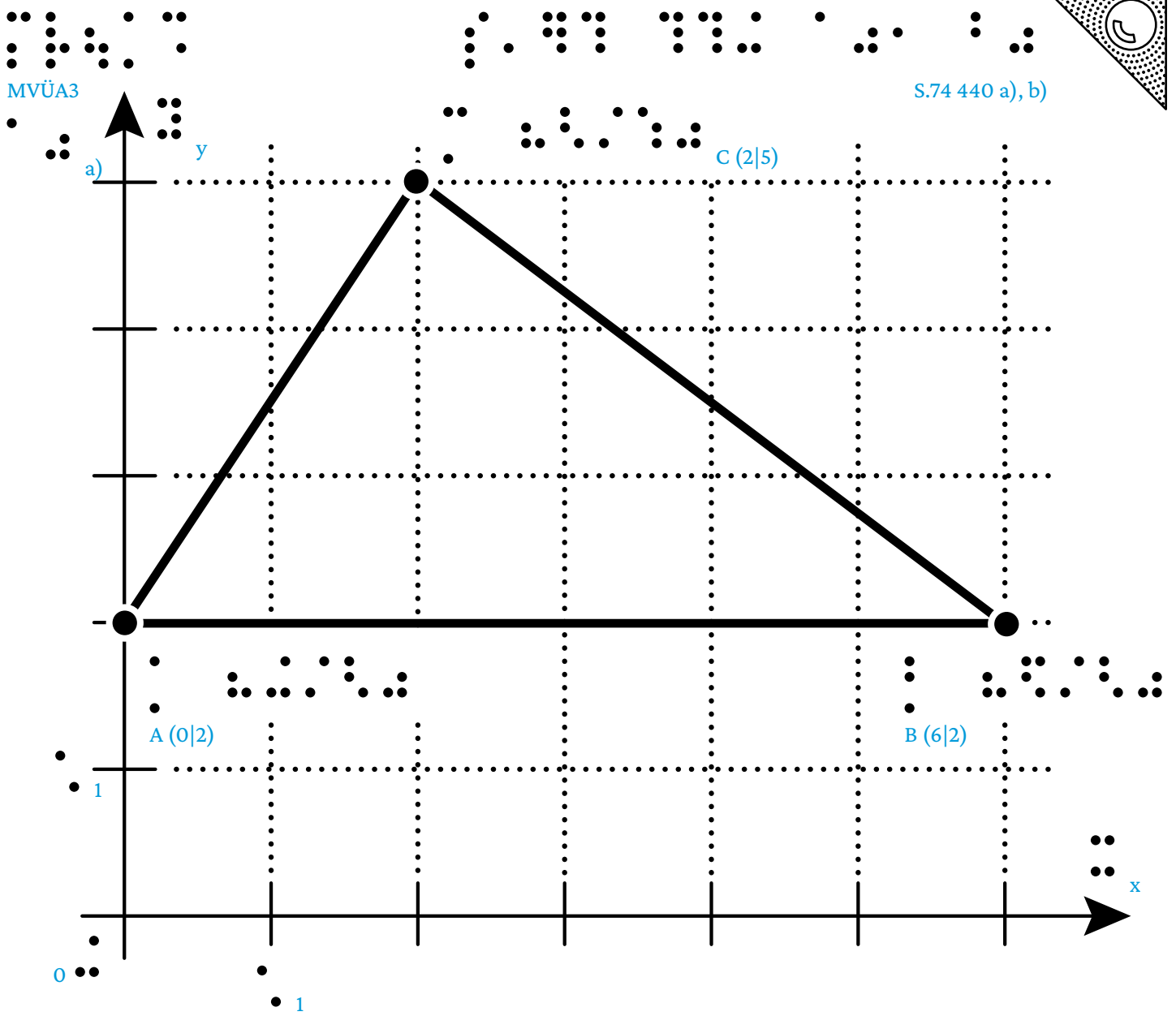


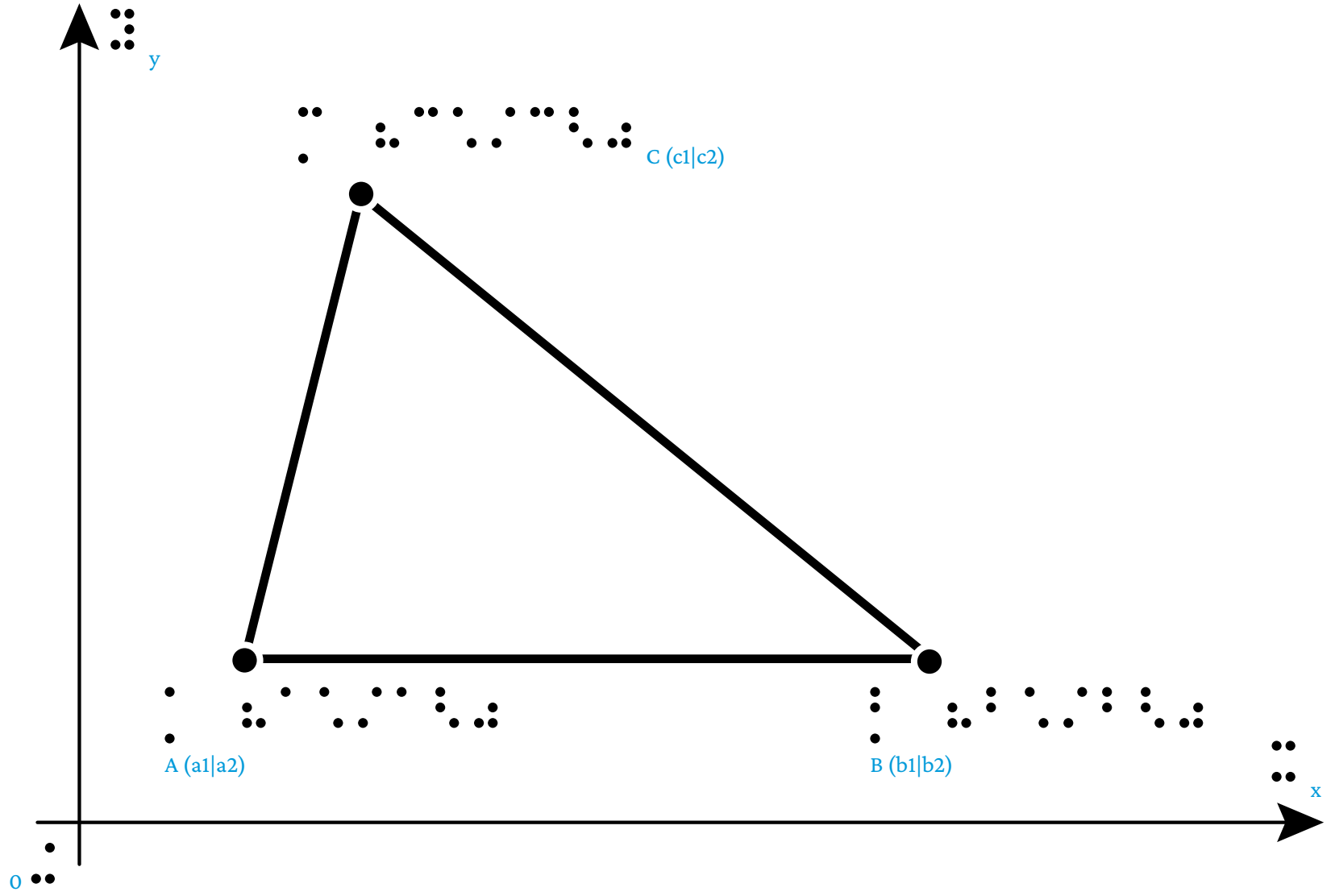
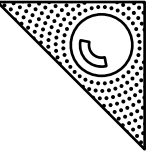




MVÜA3

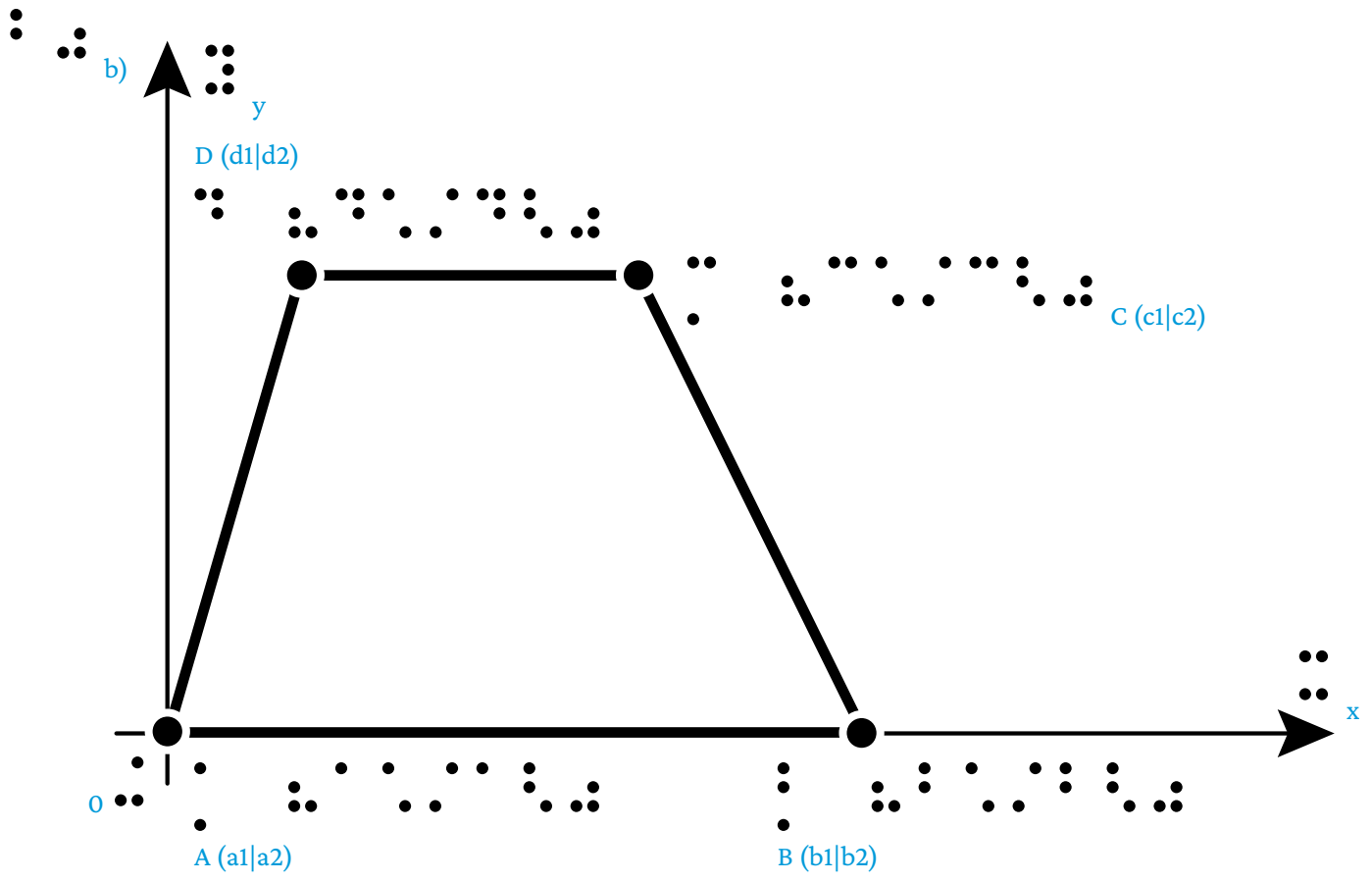
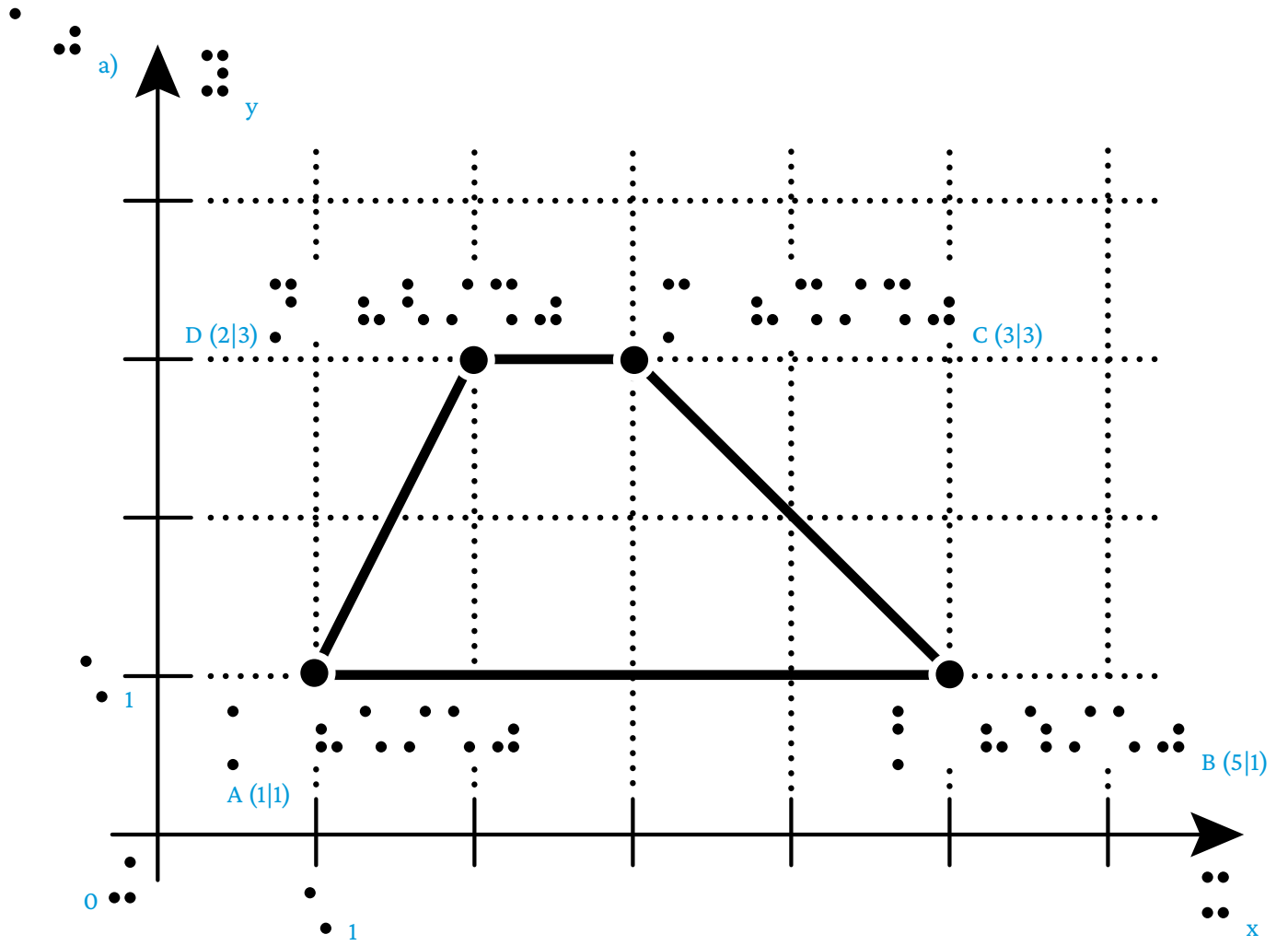
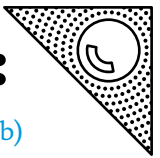
S.74 440 a), b)

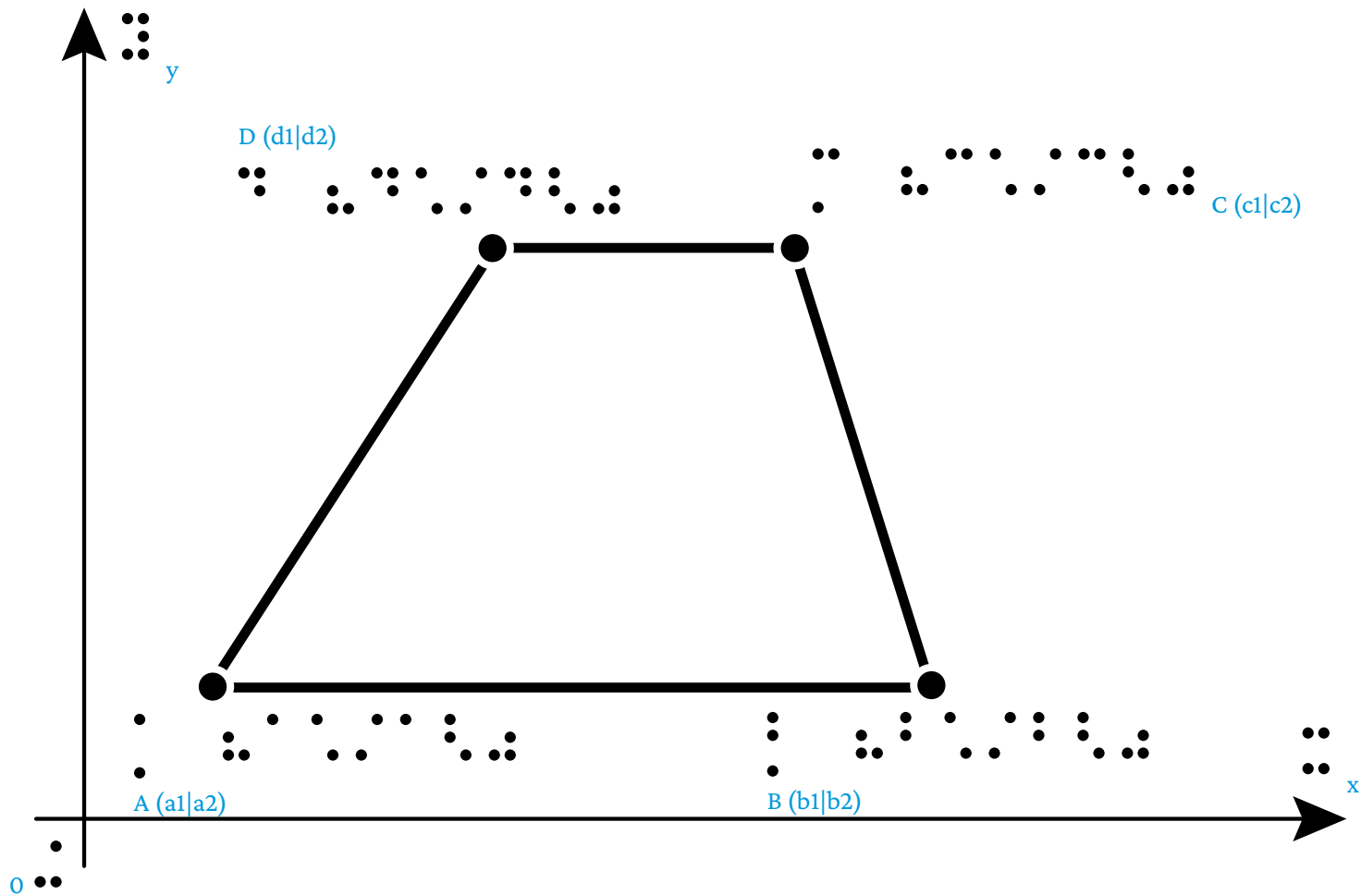
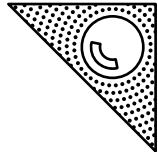


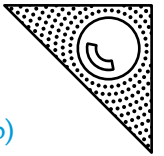


MVÜA3

S.75 441 a), b)

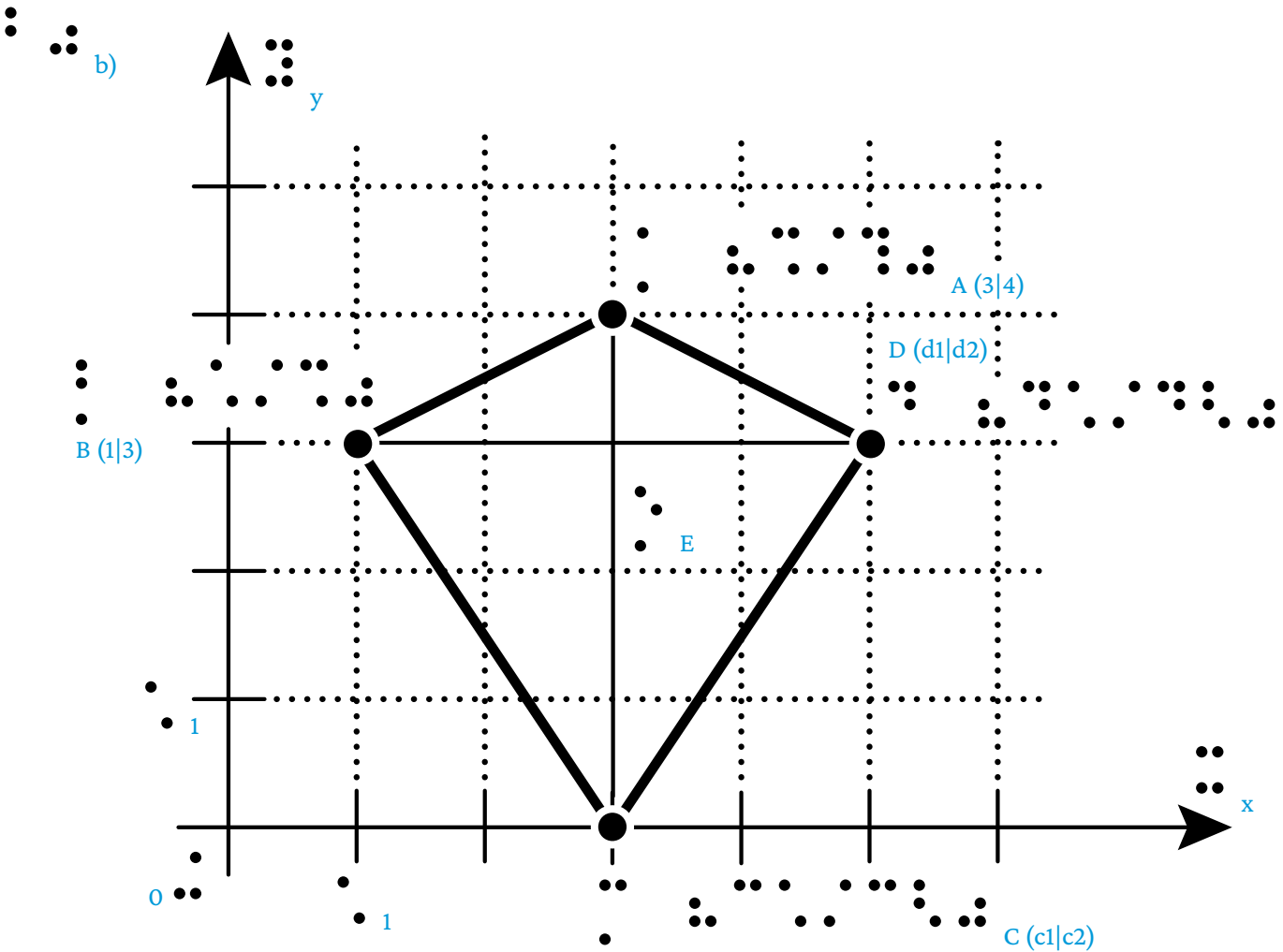
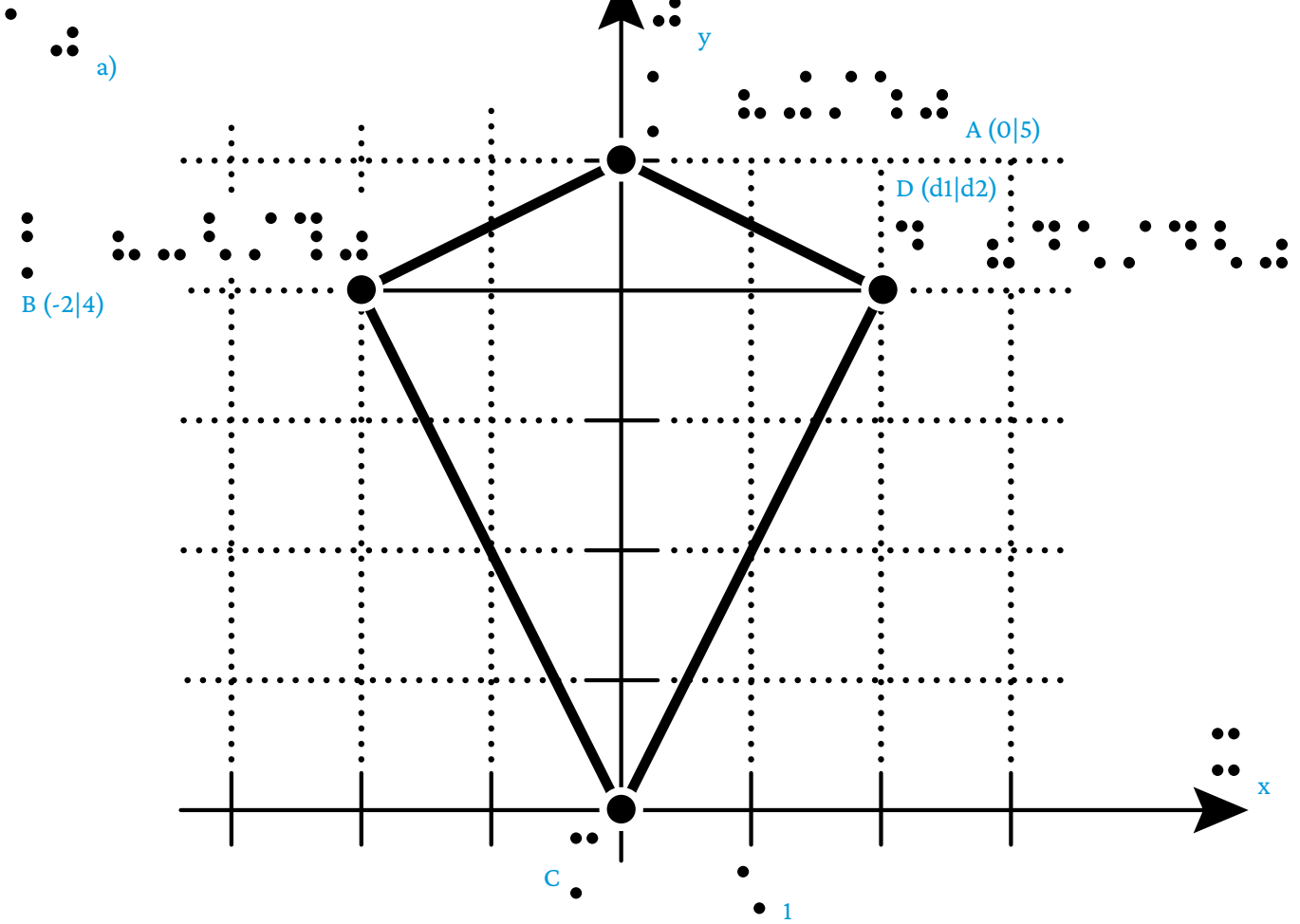


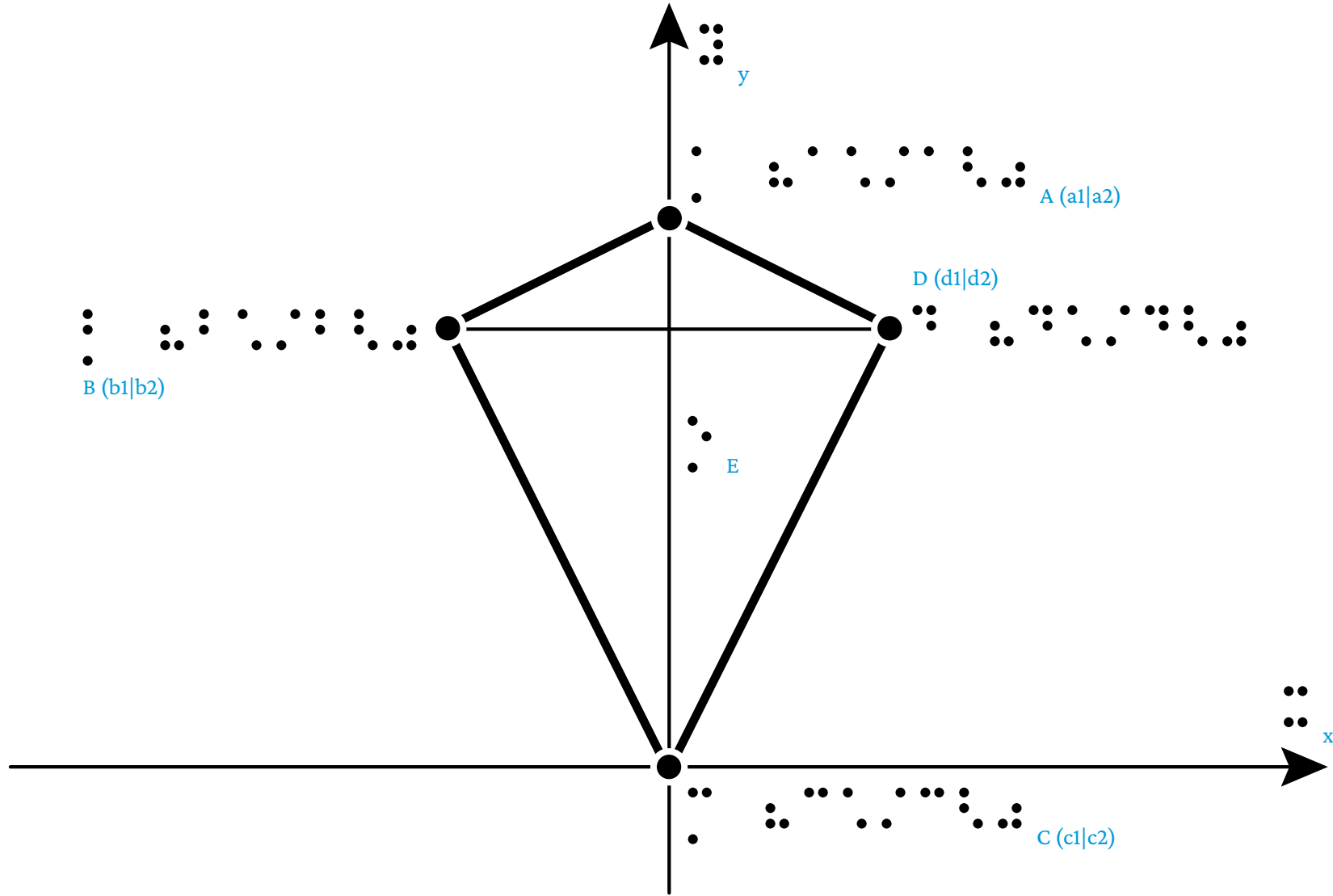
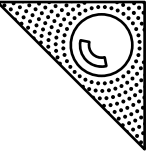


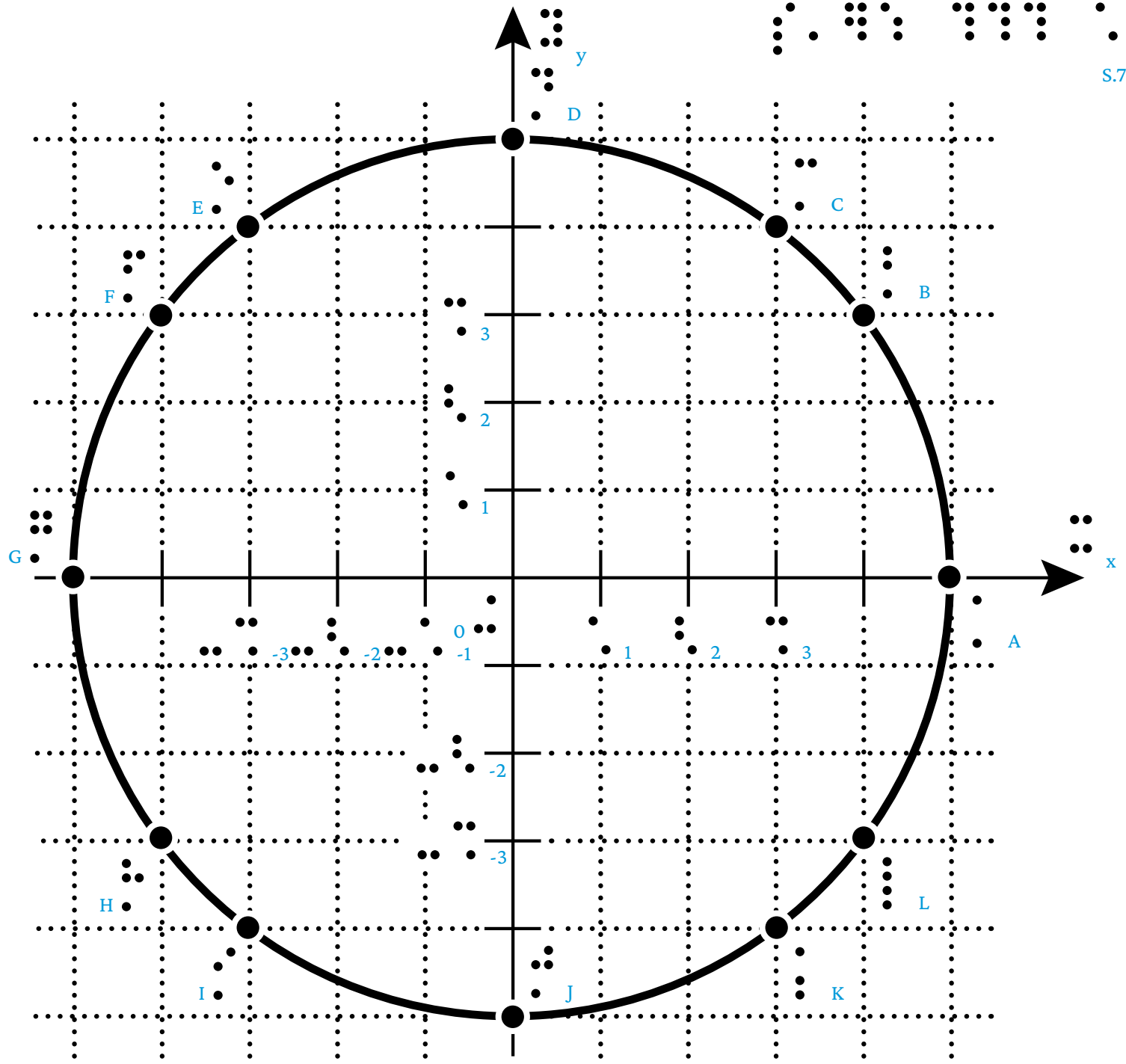
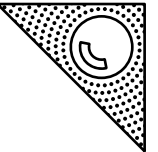


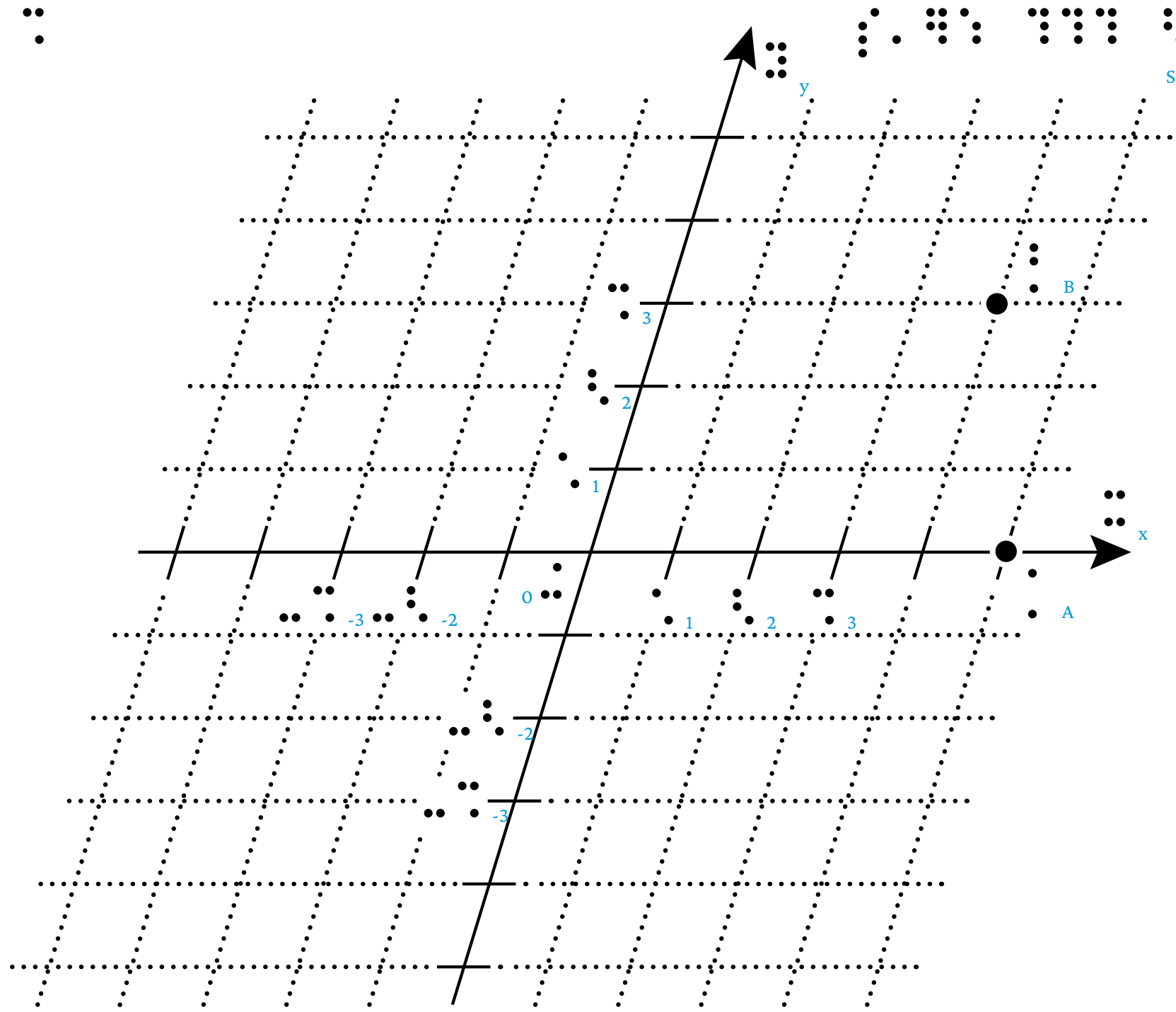
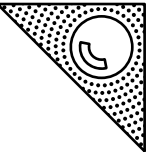
MVÜA3

S.75 442 a), b)

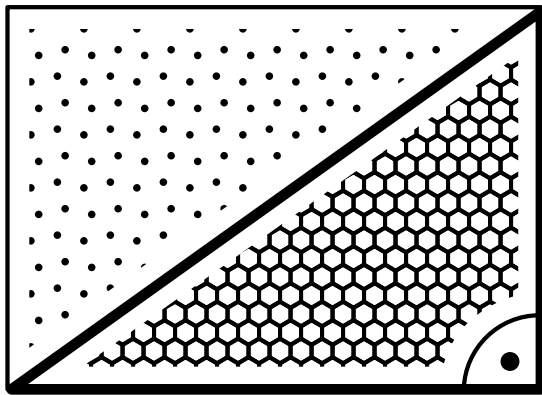
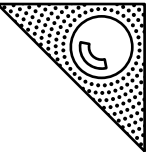








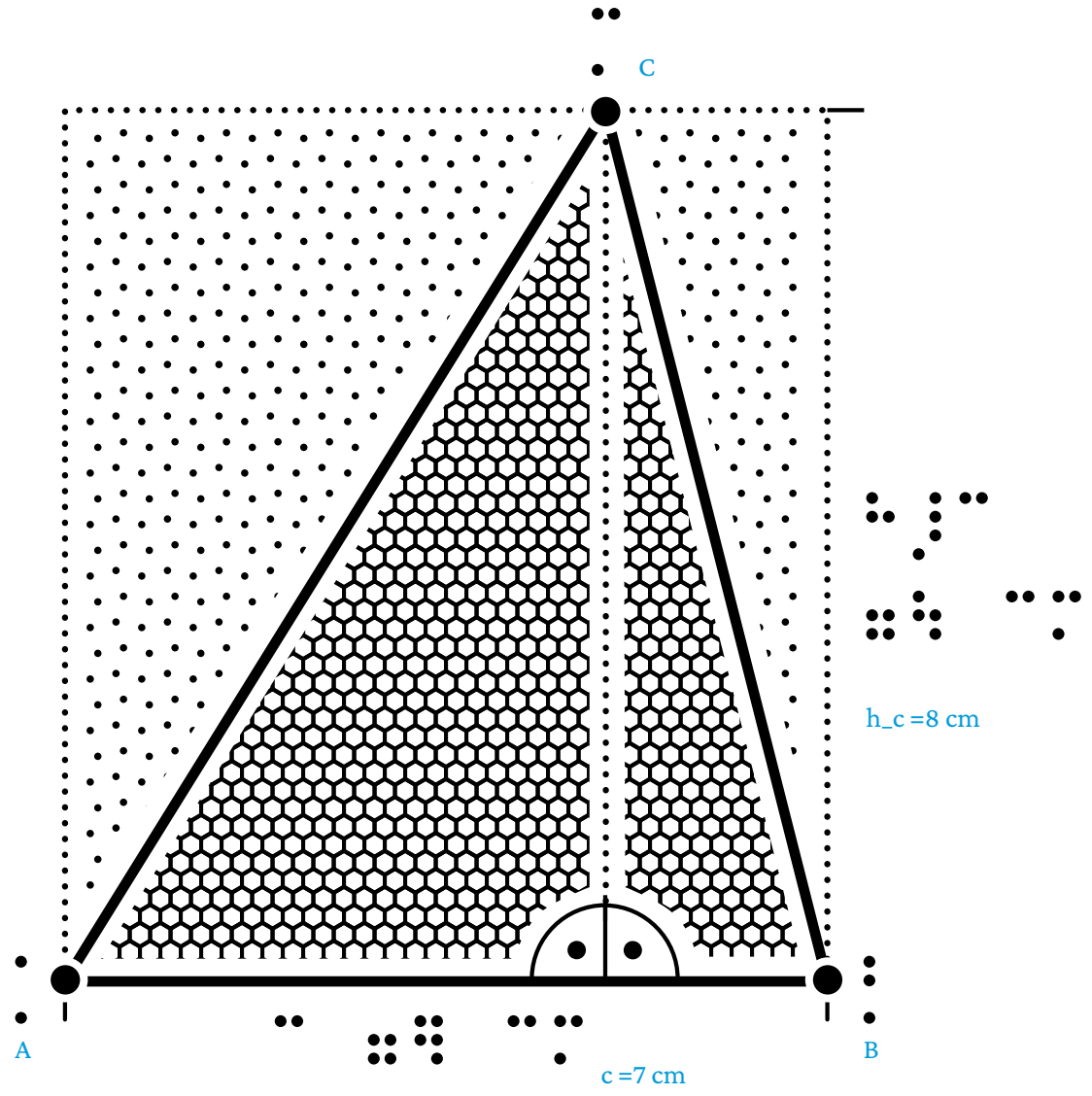




a

b

a)

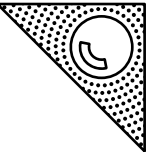


A

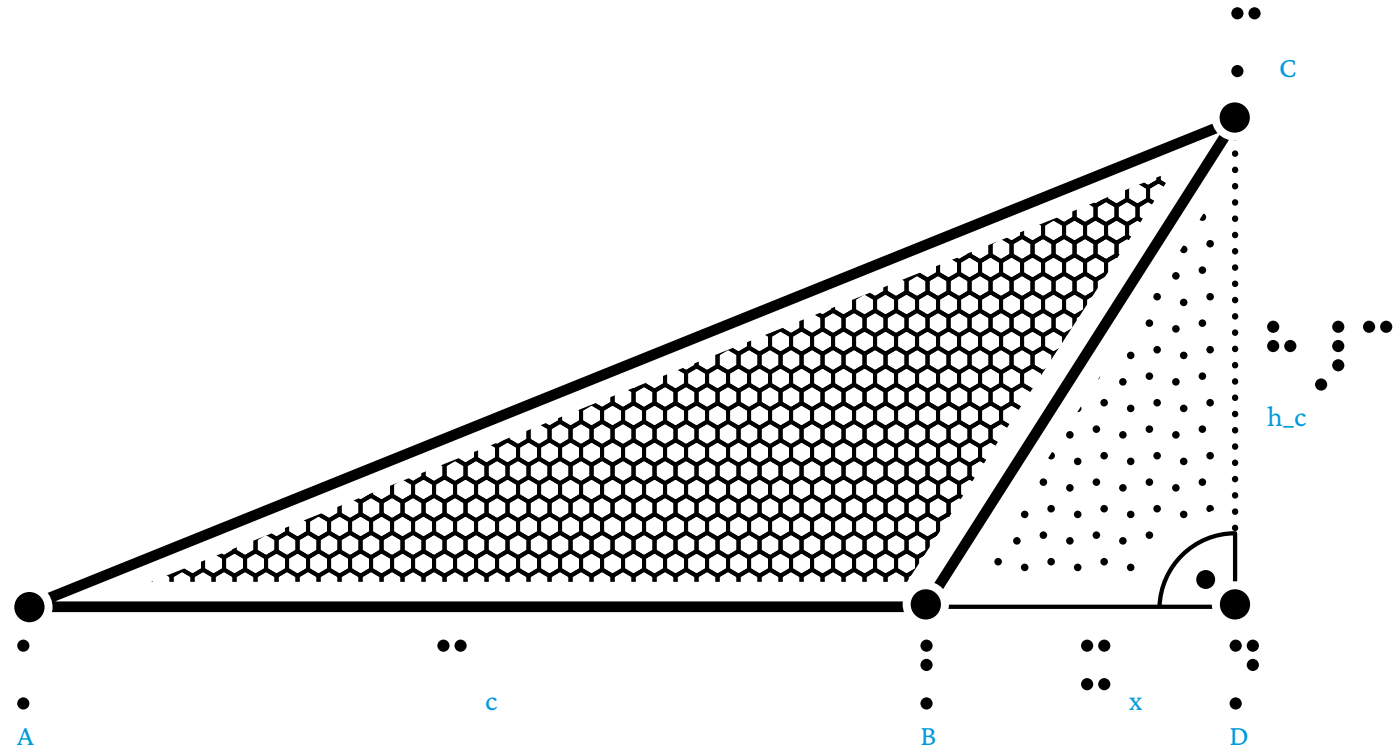
B

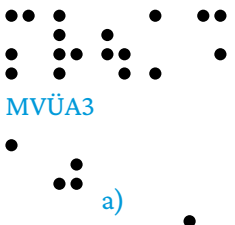
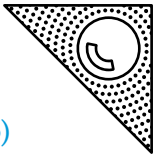
$c = 7 \text{ cm}$

$h_c = 8 \text{ cm}$

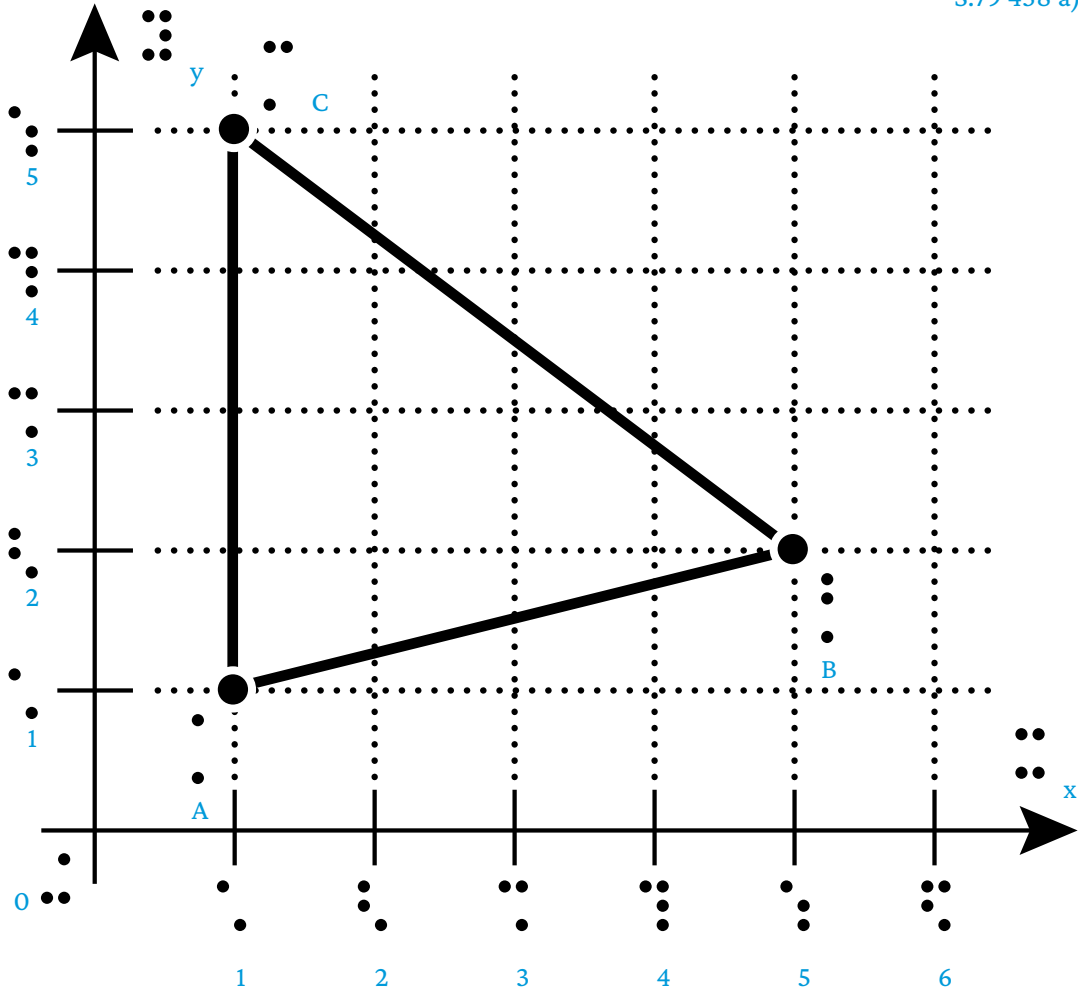


b)

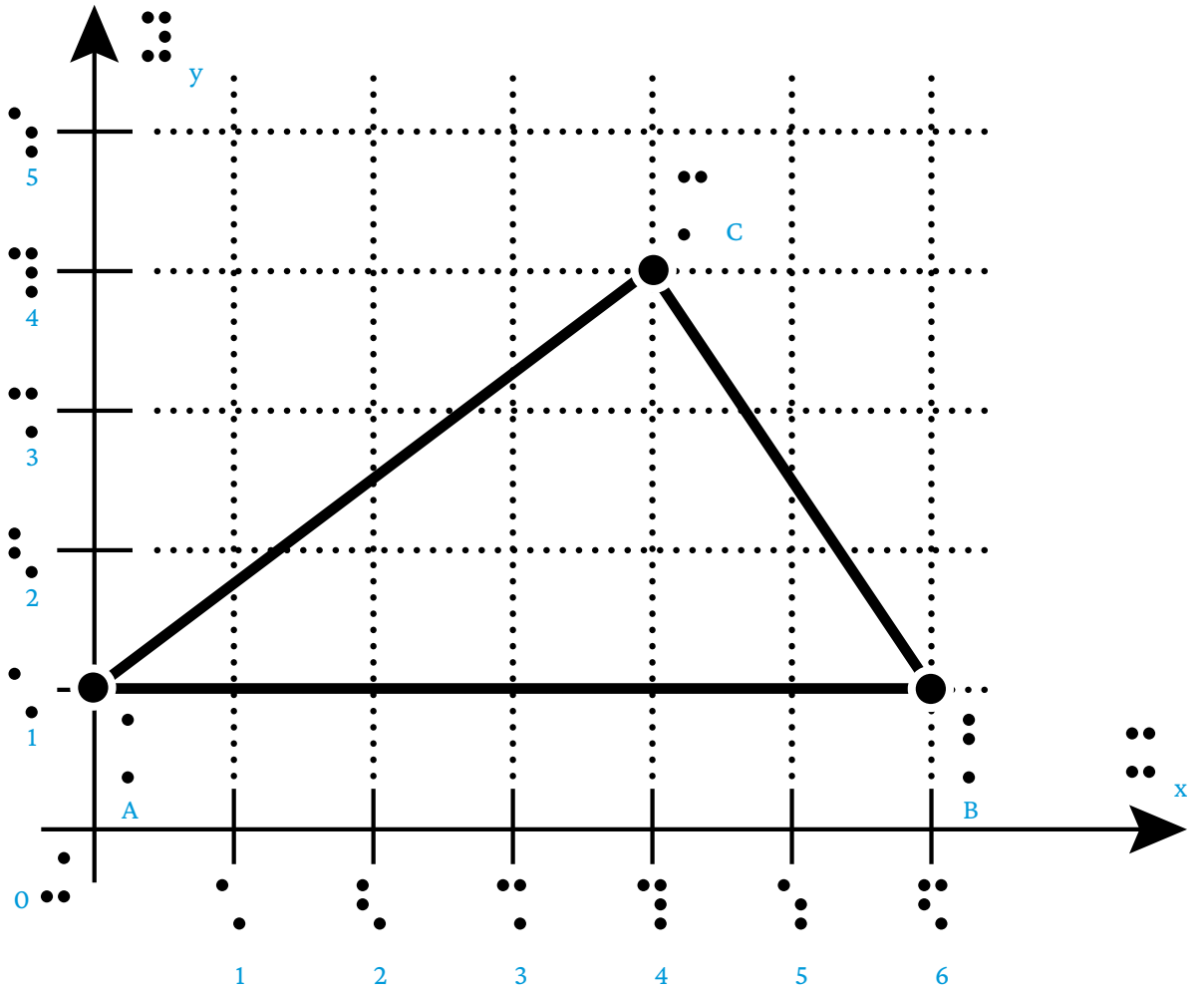


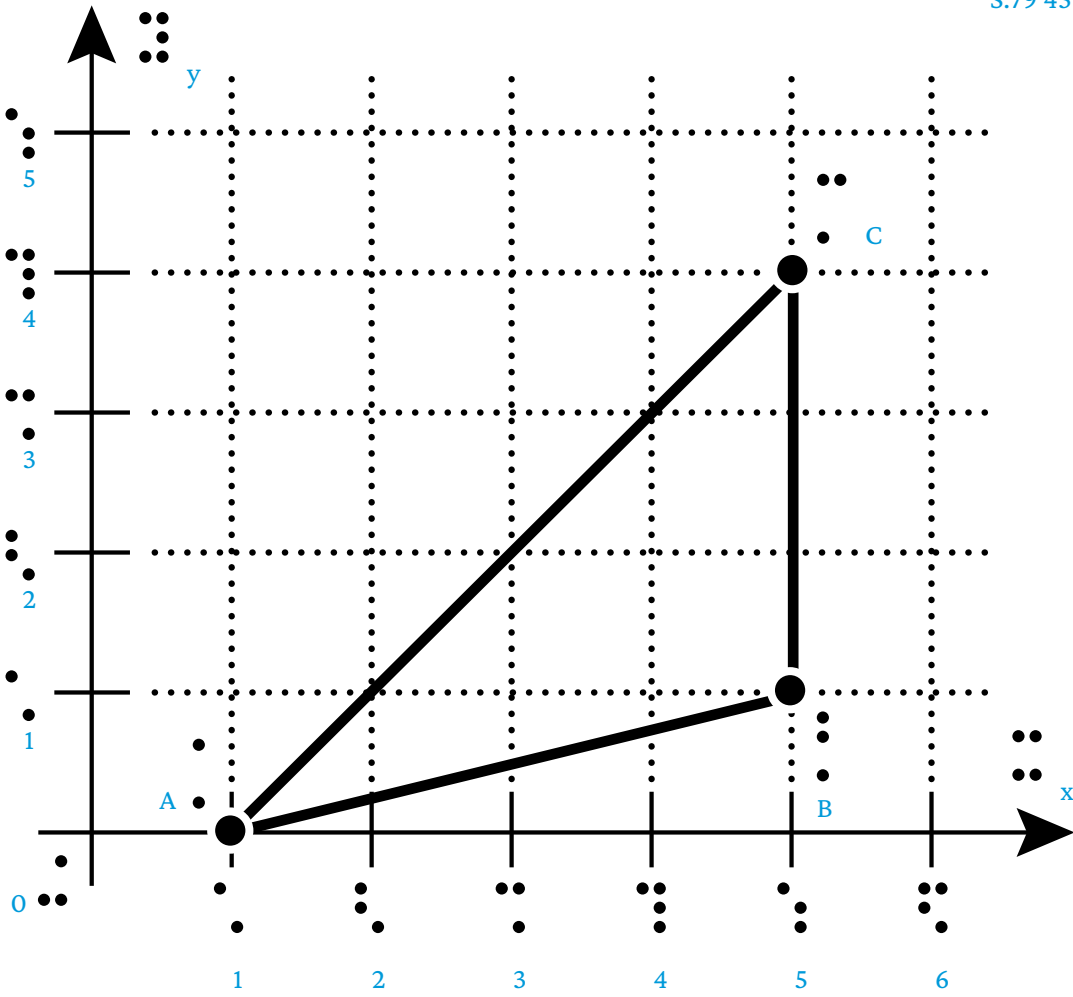
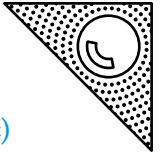
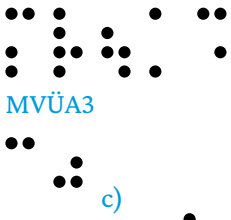


a)



b)

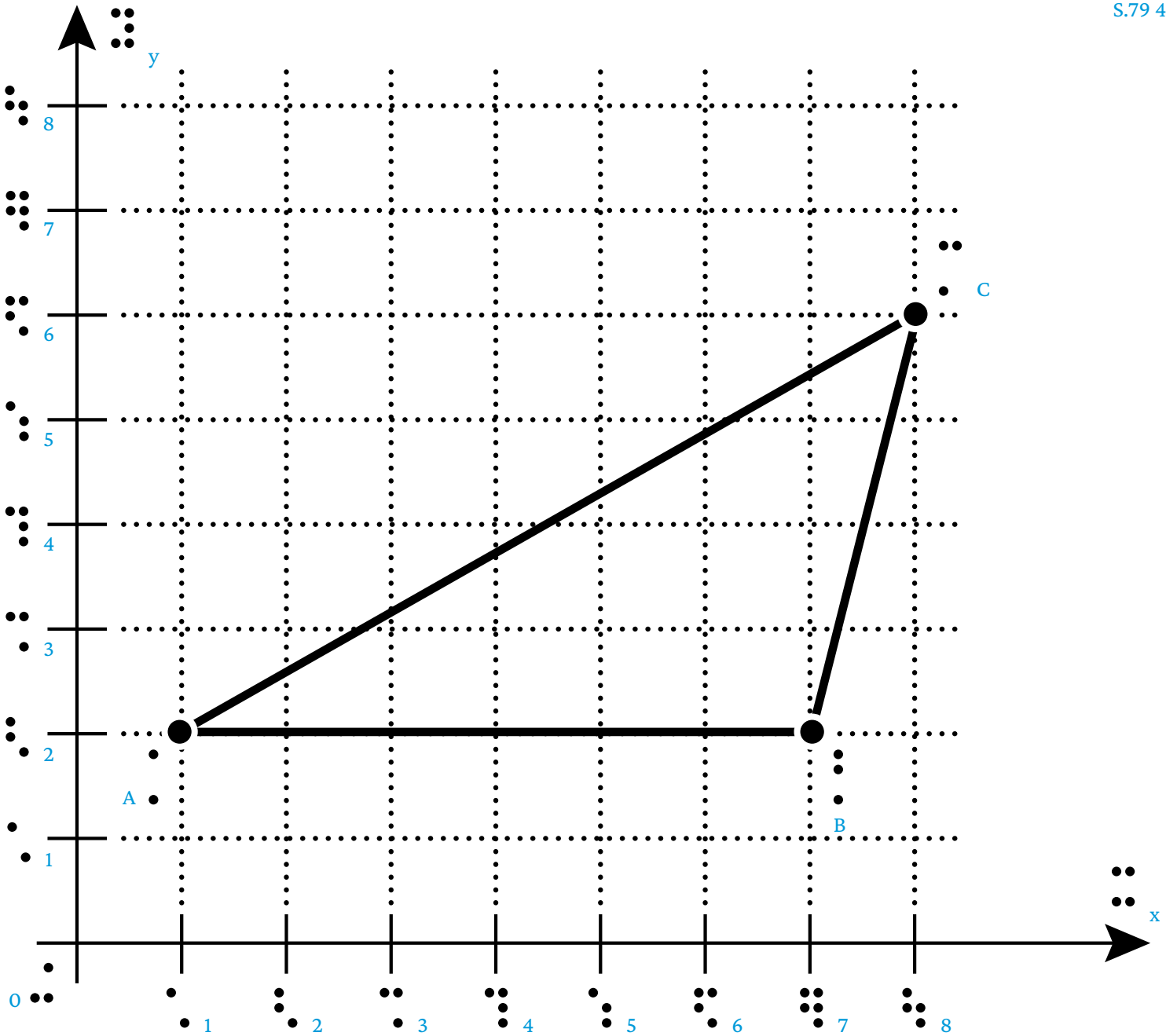
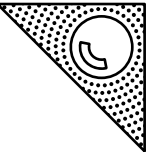


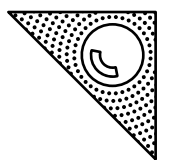
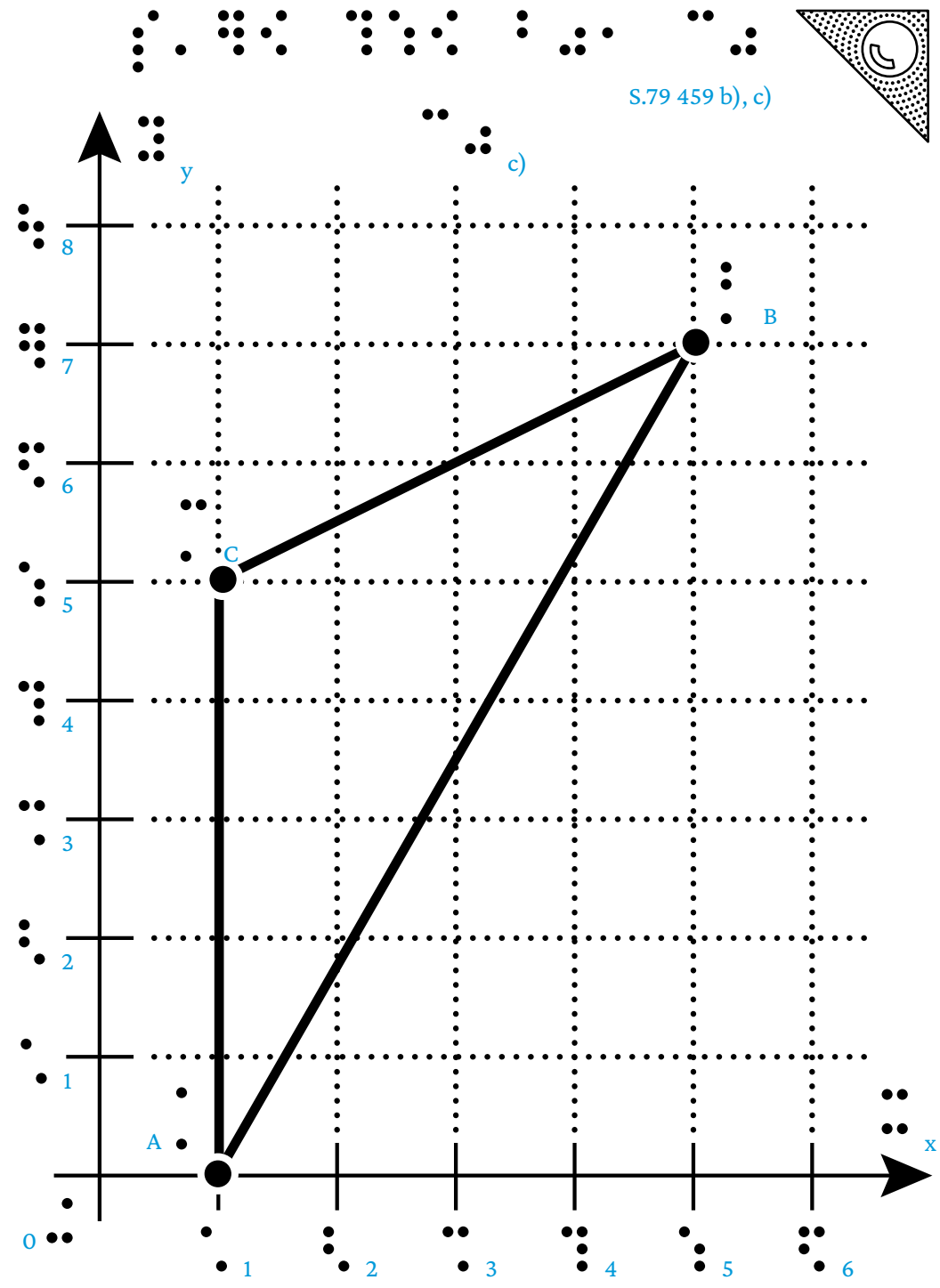
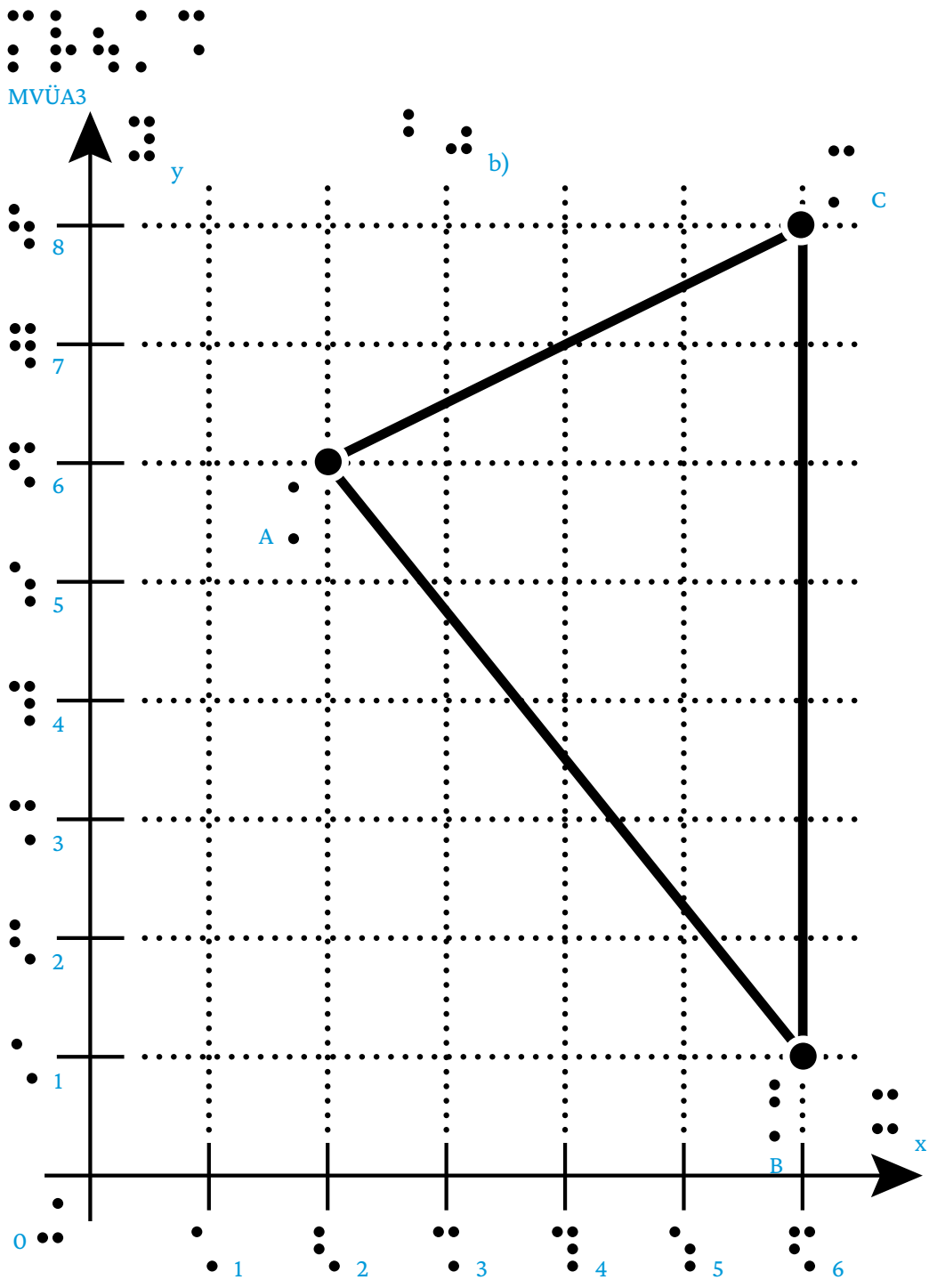


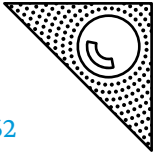
MVÜA3

a)

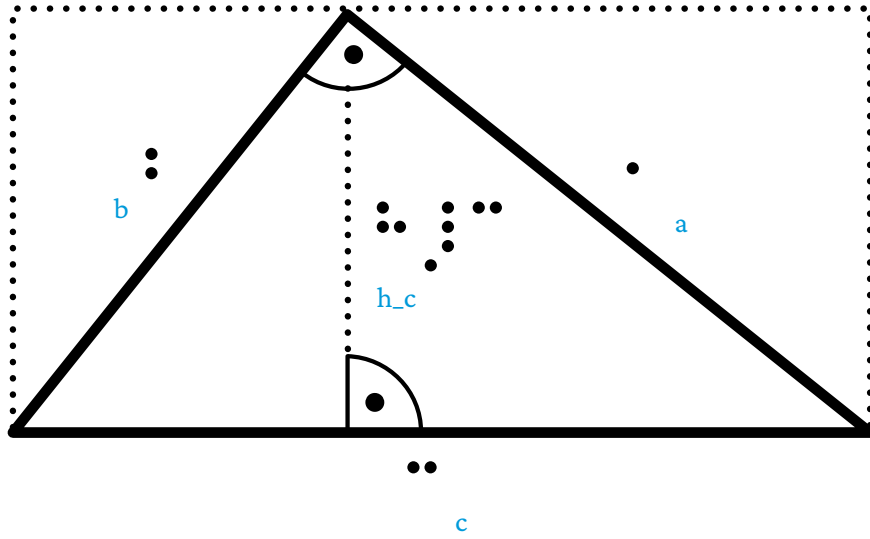
S.79 459 a)



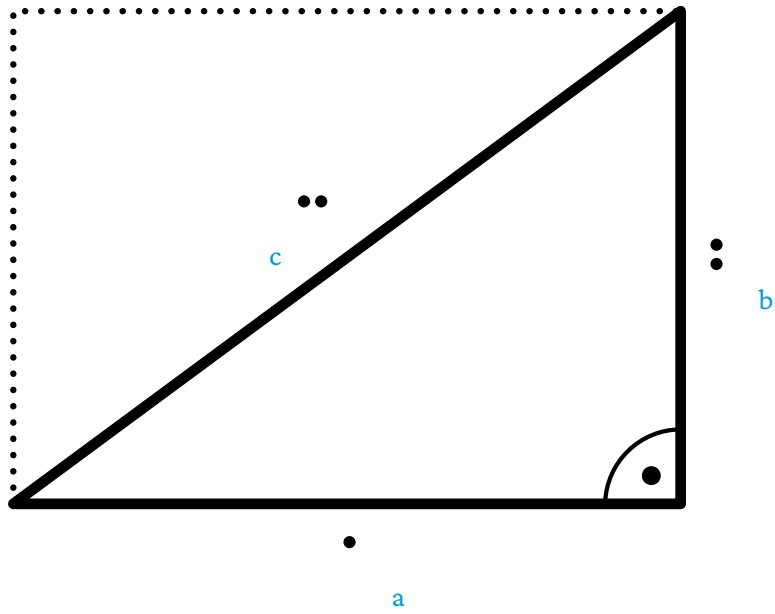


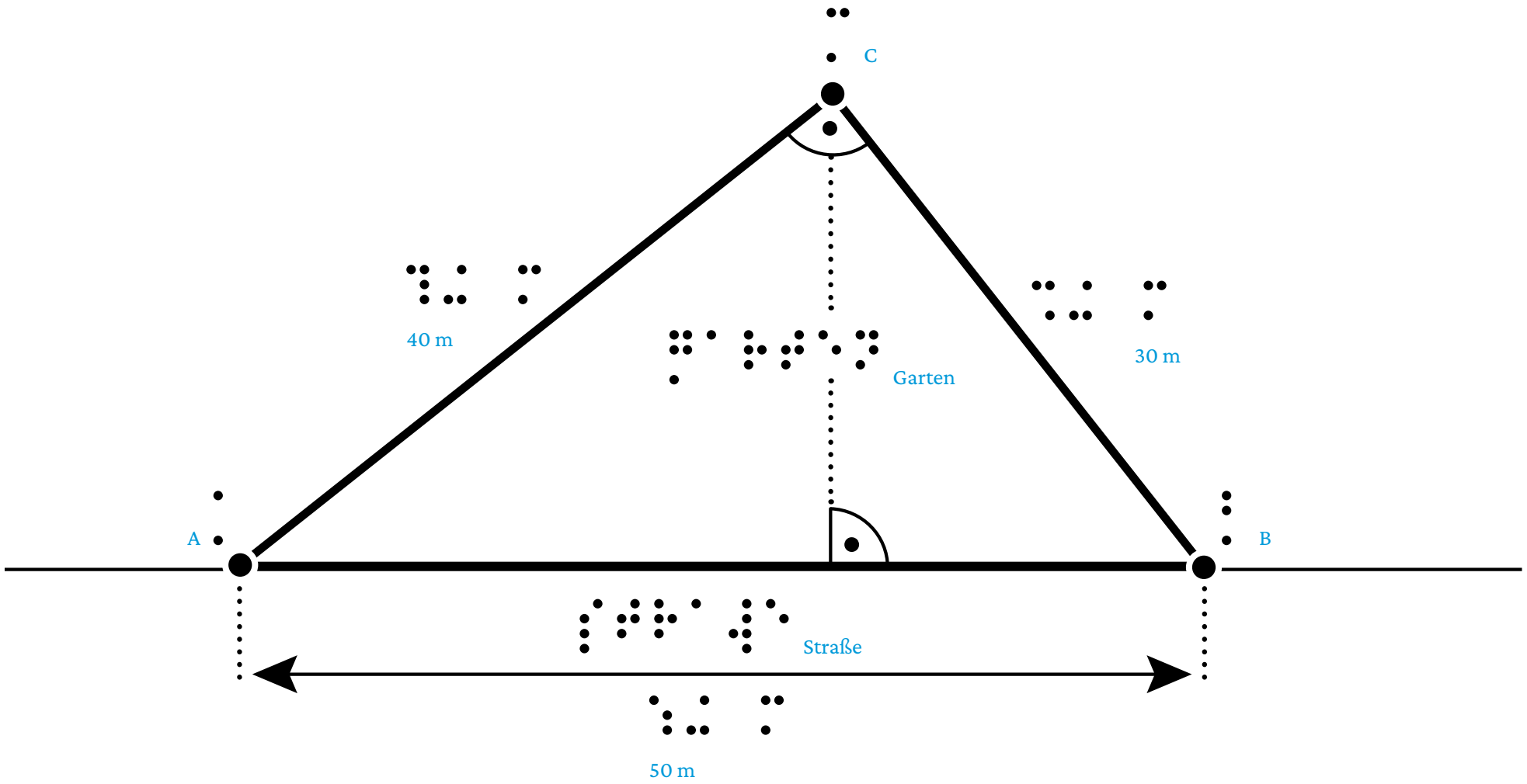
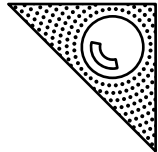


a)

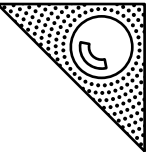


b)

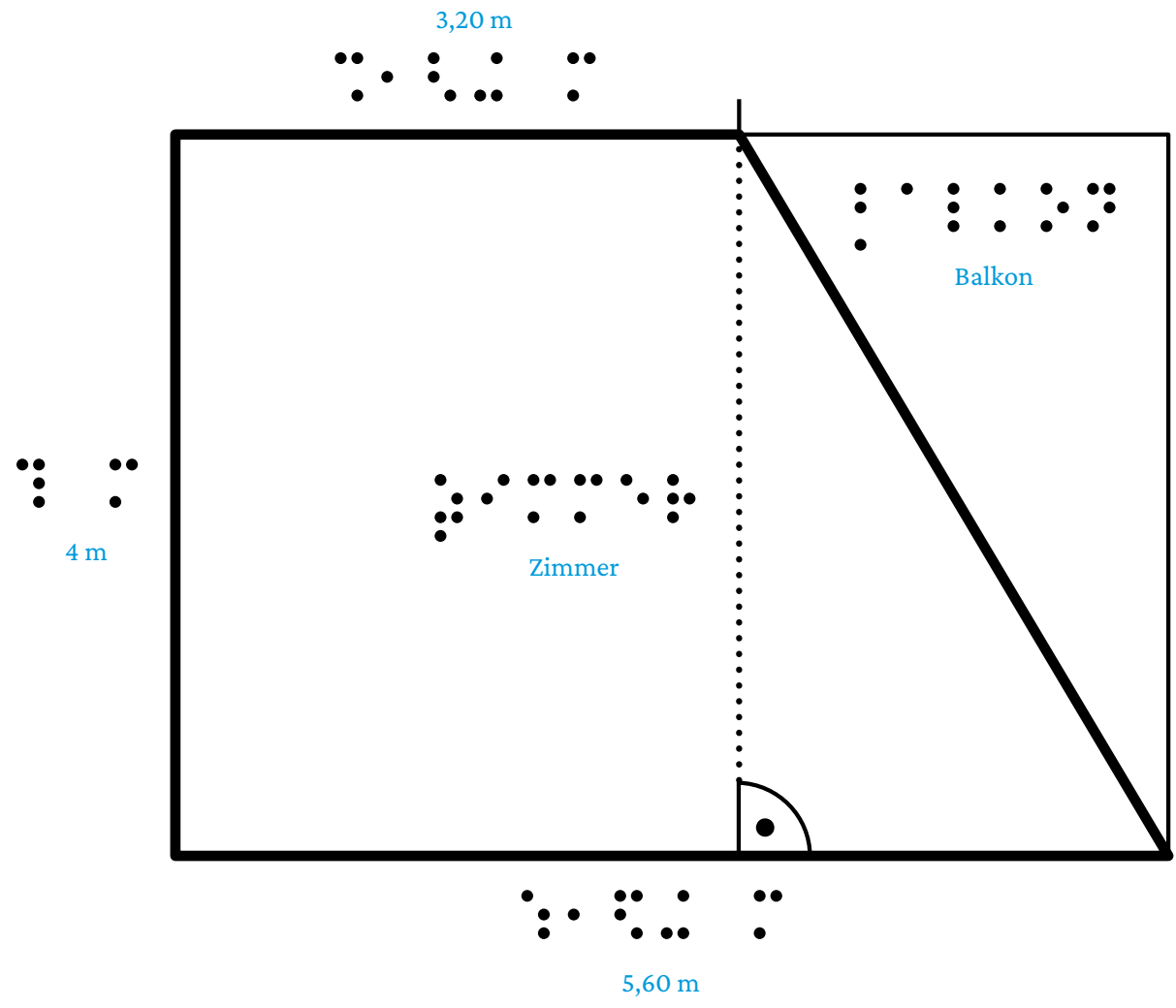


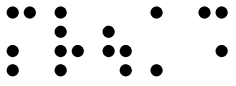




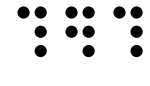
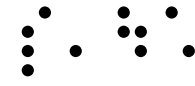


Grundriss

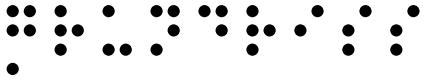
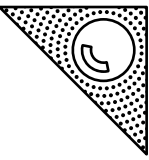




MVÜA3

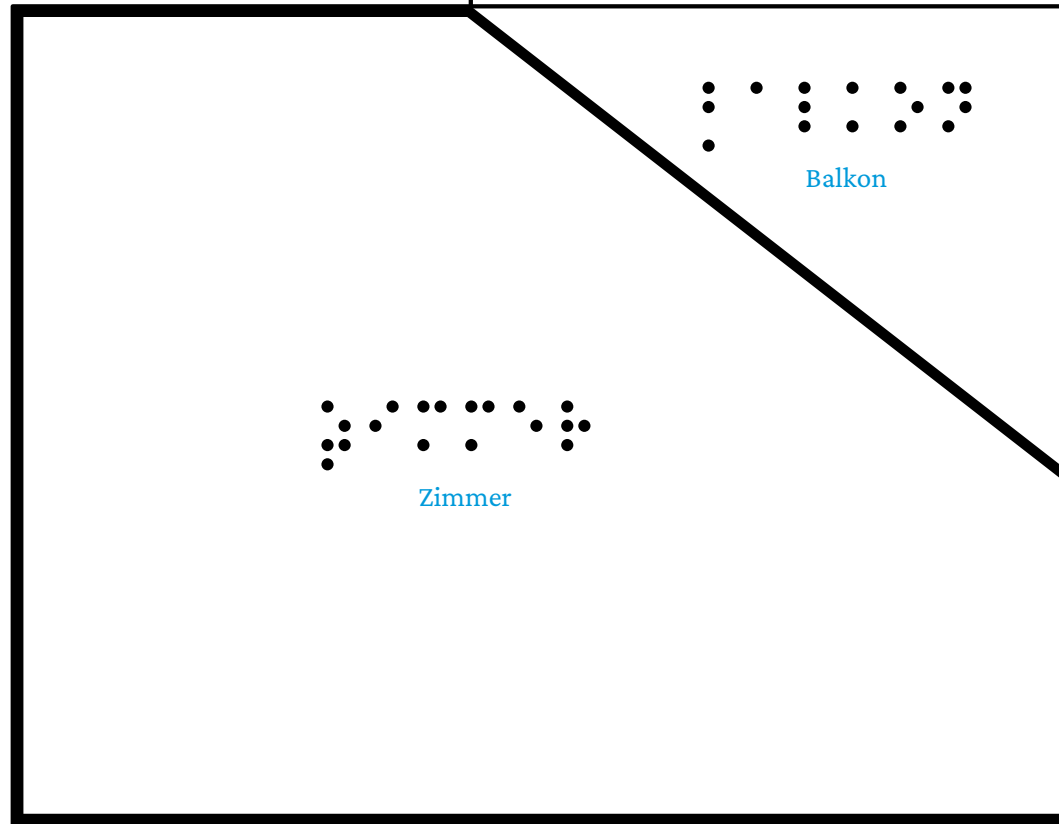


S.81 474



Grundriss

3 m



Balkon

Zimmer

5,50 m

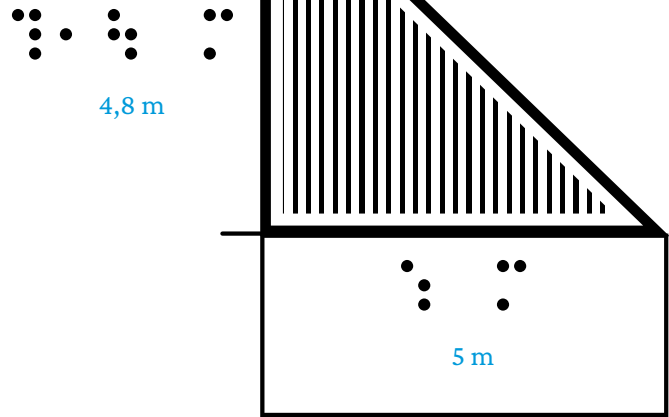
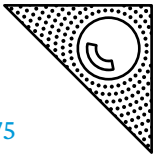
2,50 m

7 m

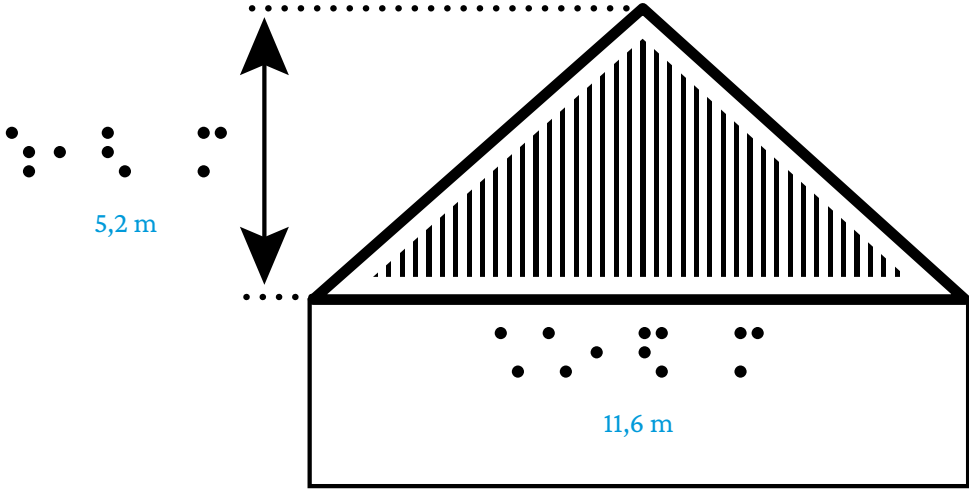


MVÜA3  
a)

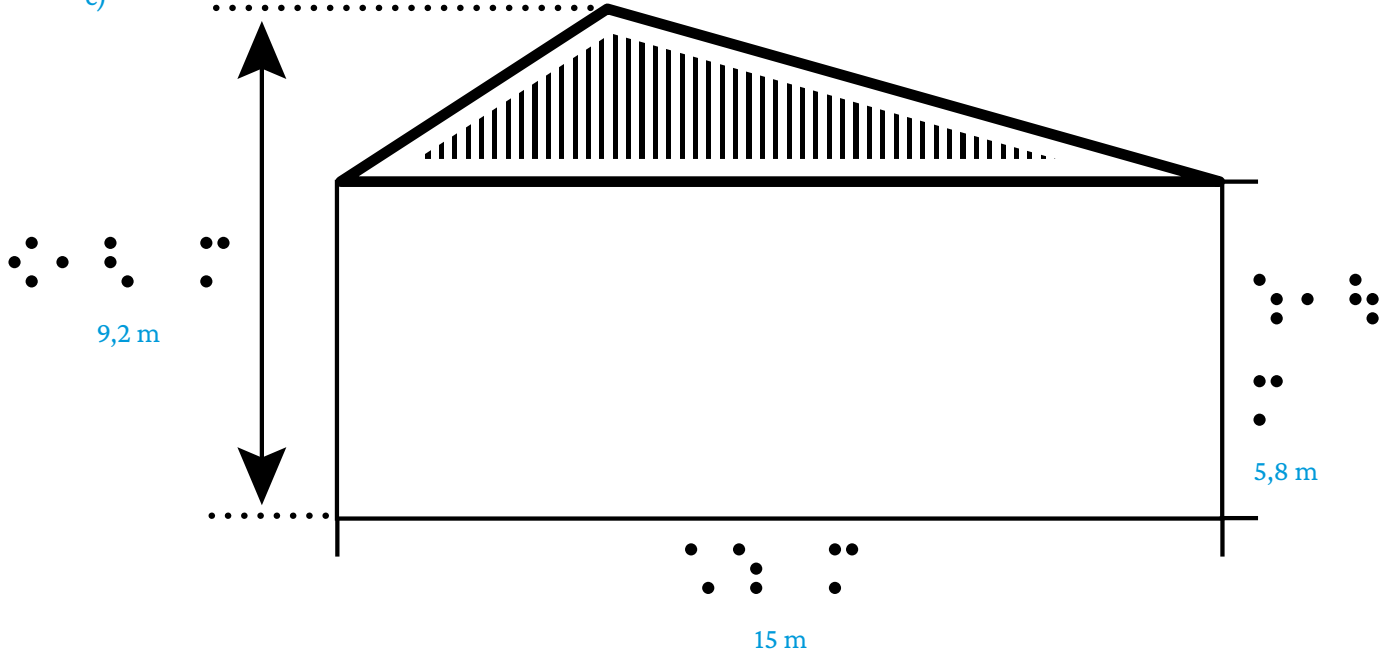
S.81 475

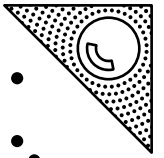
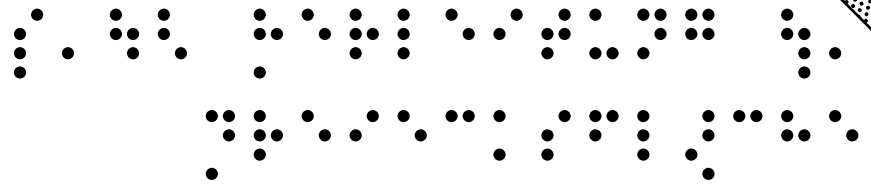


b)

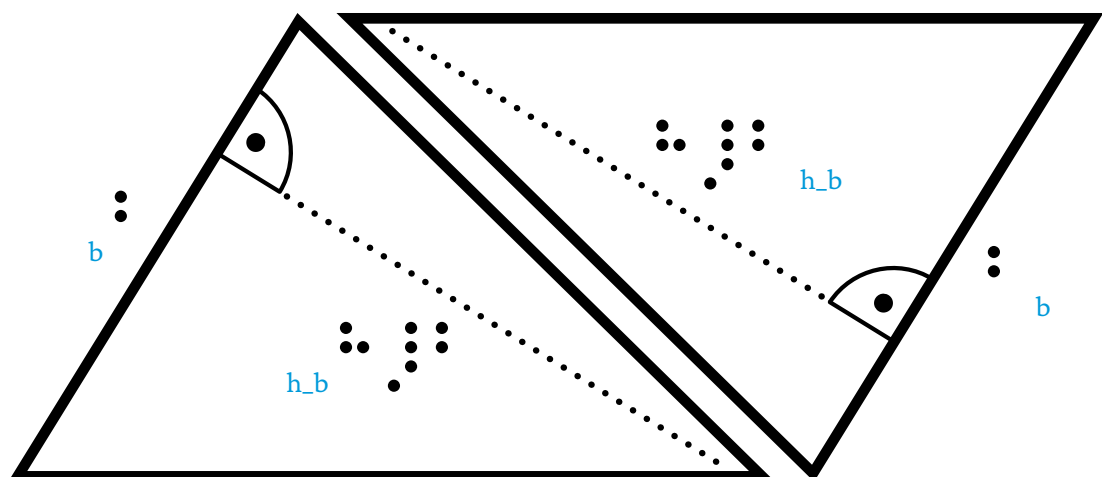
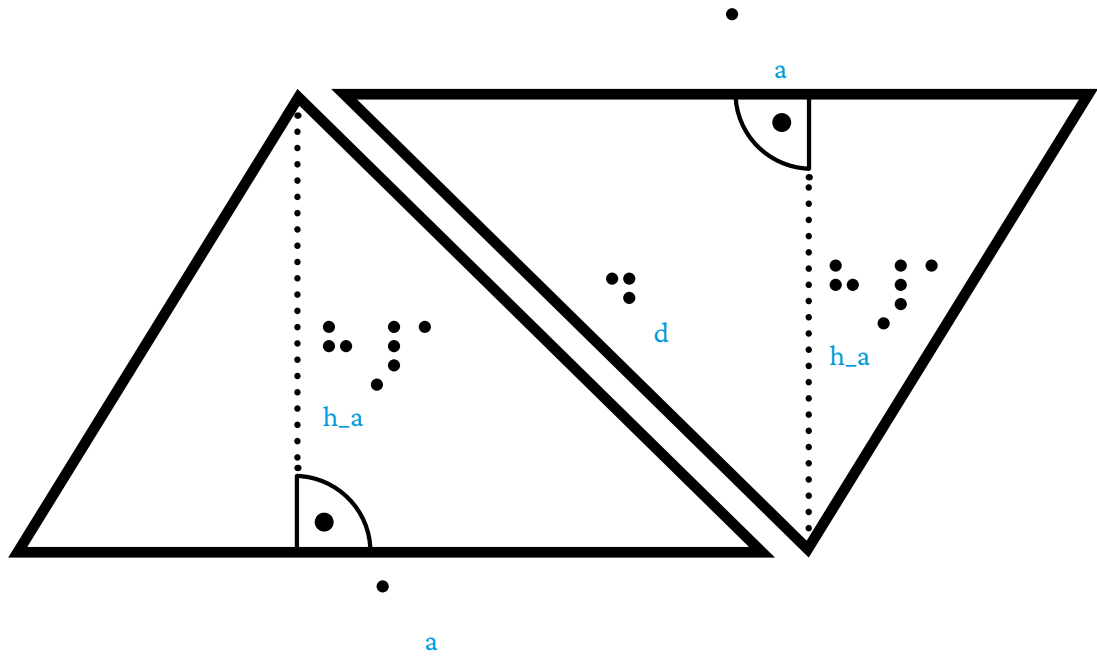


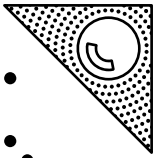
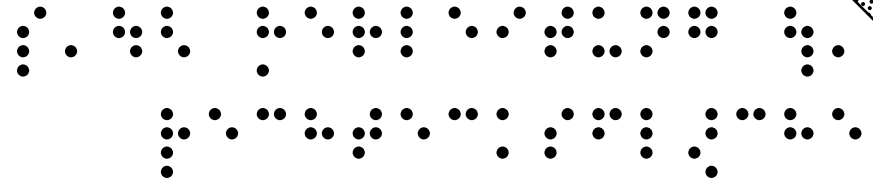
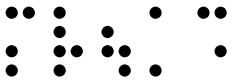
c)



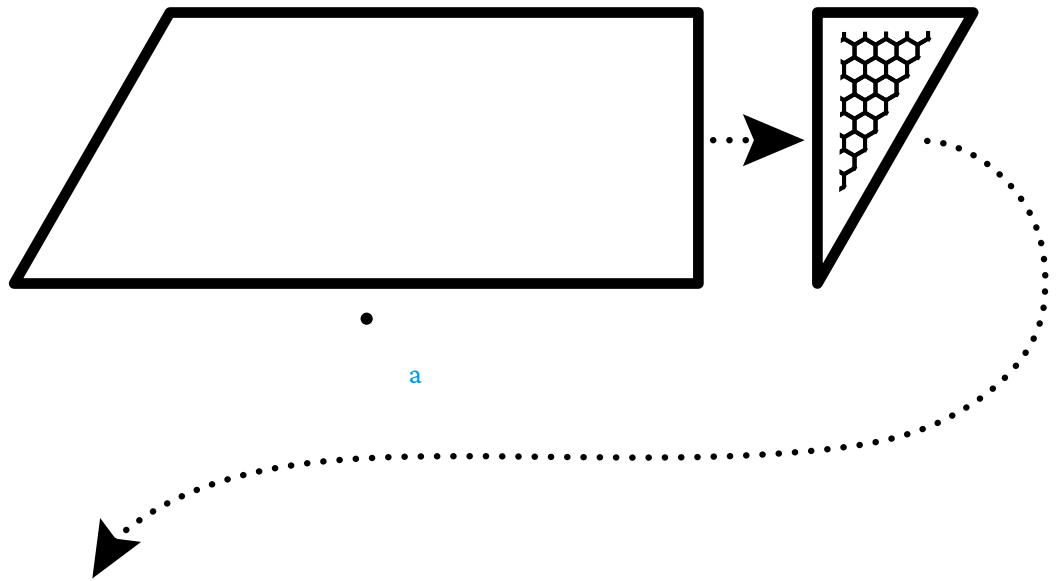


S.82 Herleitung ü. Dreiecksfläche

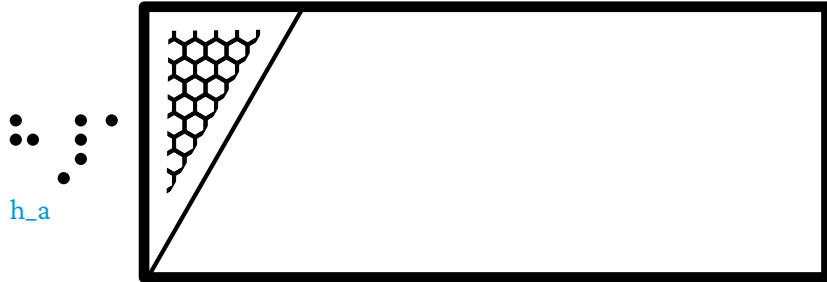




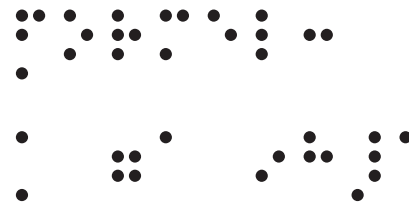
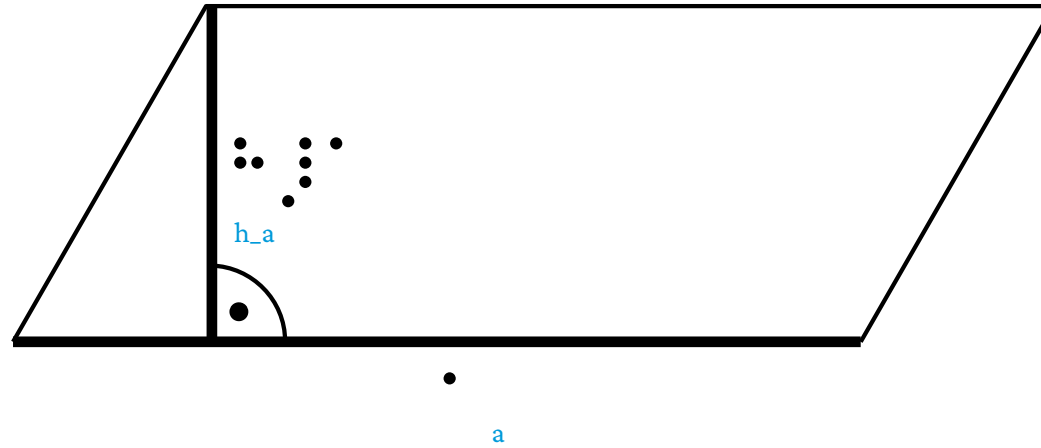
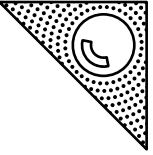
a



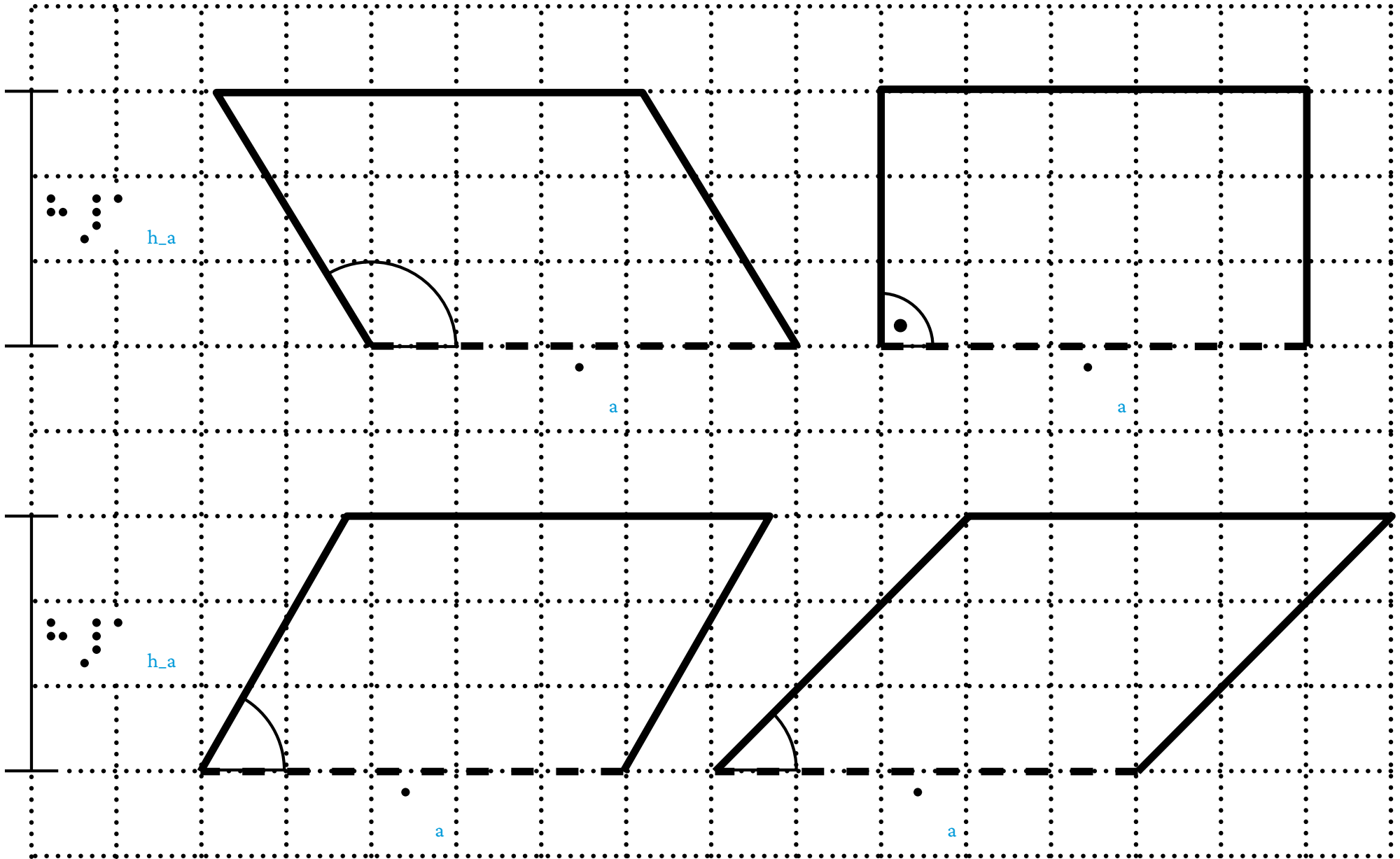
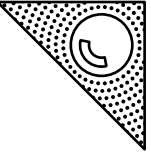
a

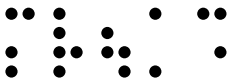


a



Formel:  
 $A = a \cdot h_a$

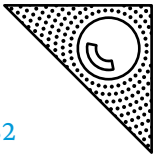




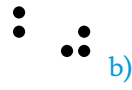
MVÜA3



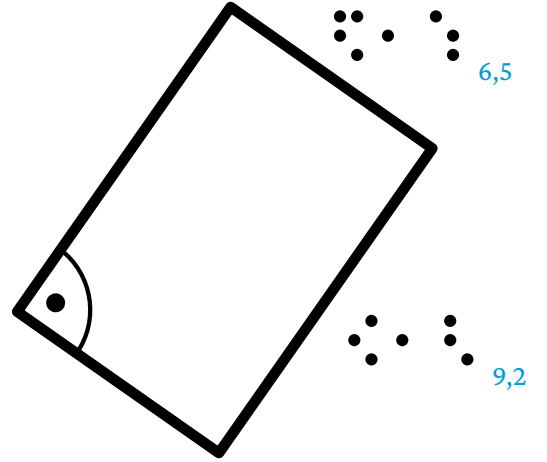
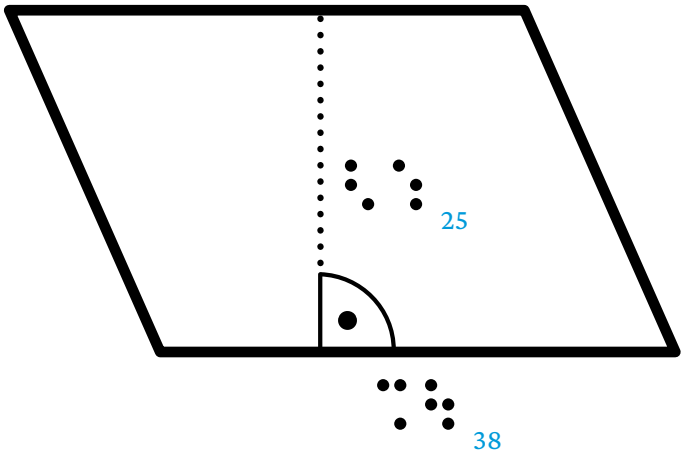
S.83 482



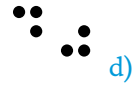
a)



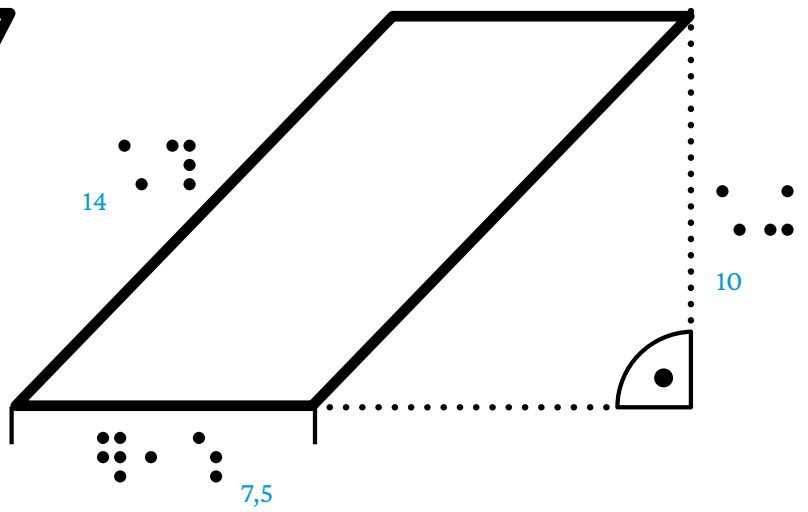
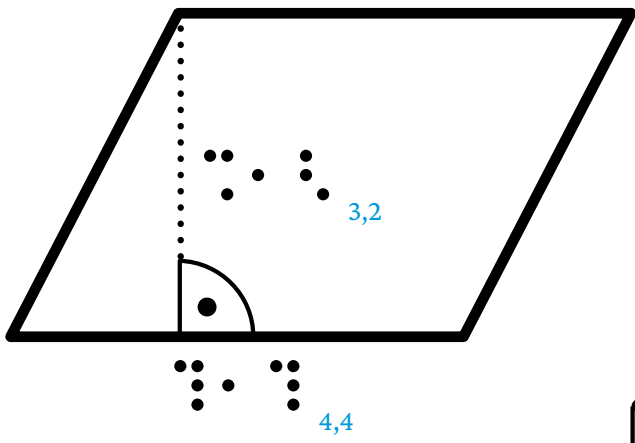
b)



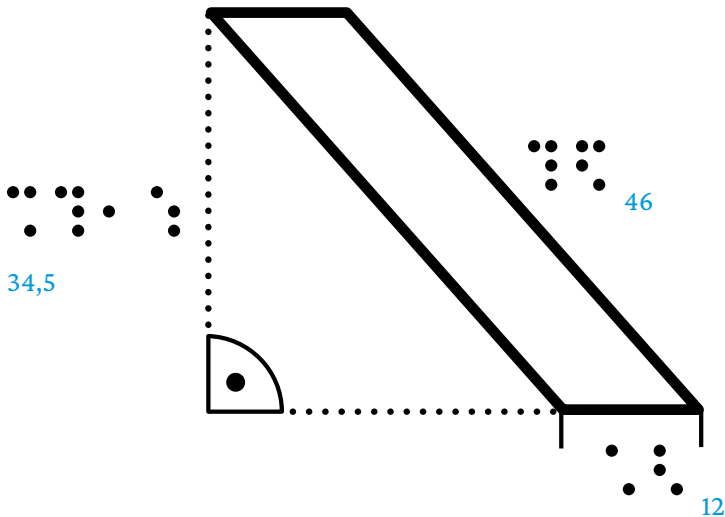
c)



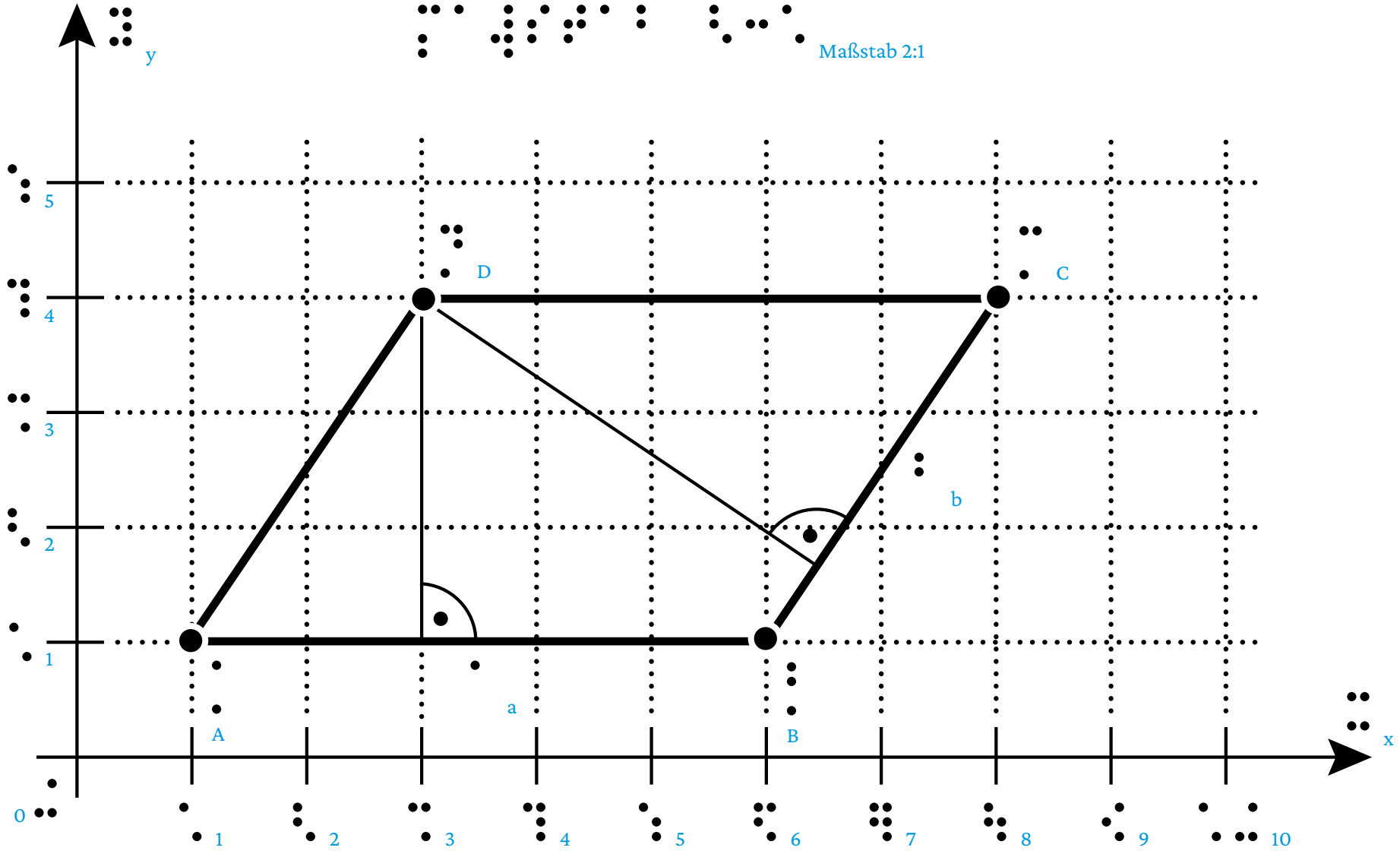
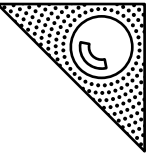
d)

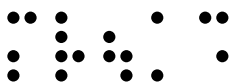


e)

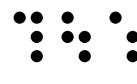
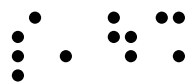








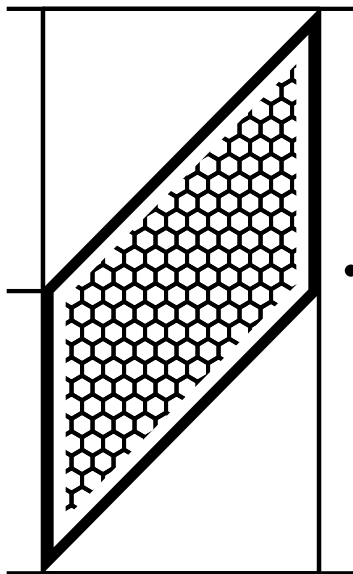
MVÜA3



S.83 485



a)



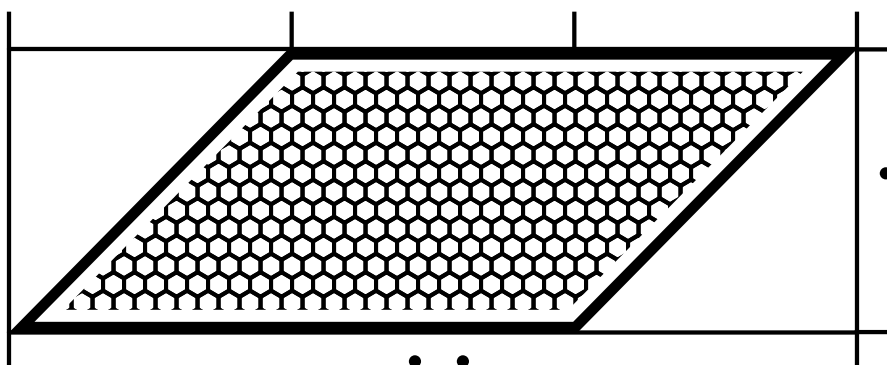
10



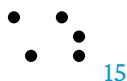
5



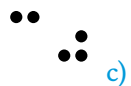
b)



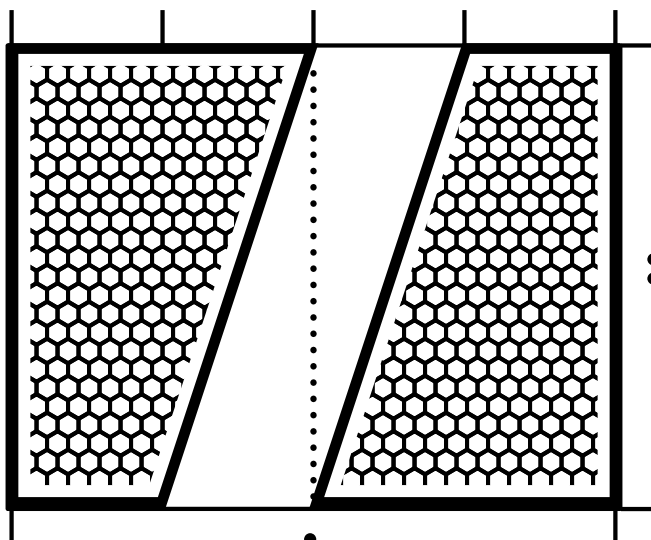
5



15



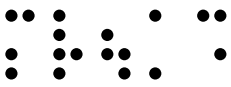
c)



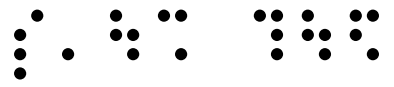
6



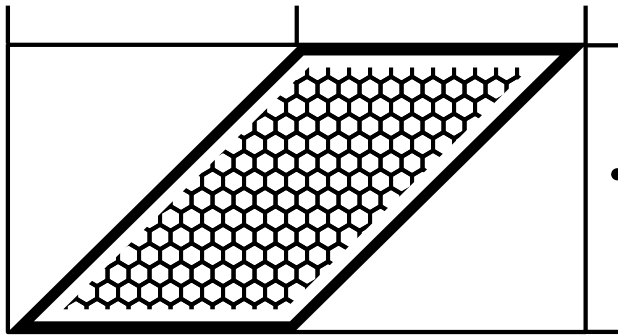
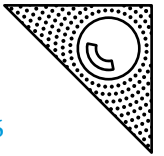
8



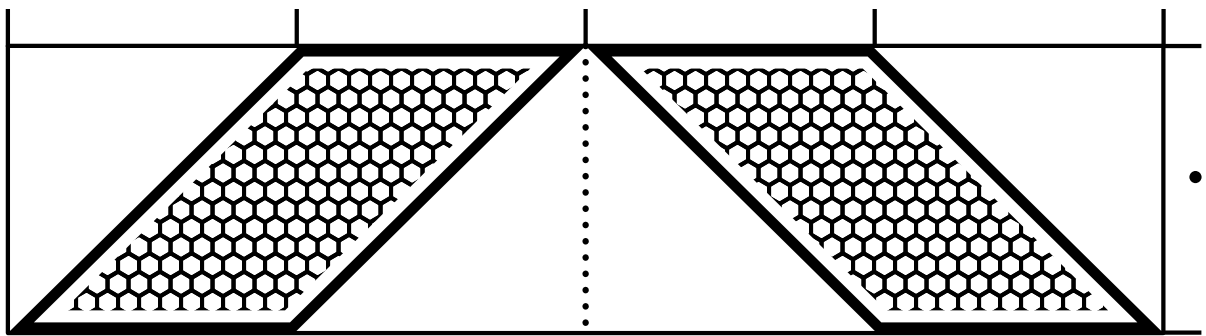
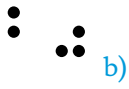
MVÜA3



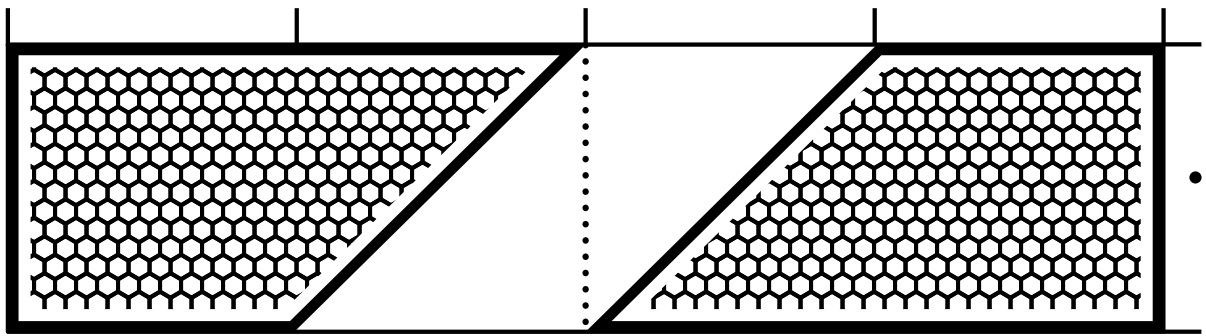
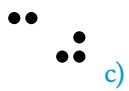
S.83 486



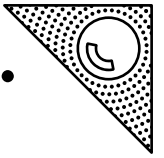
2a



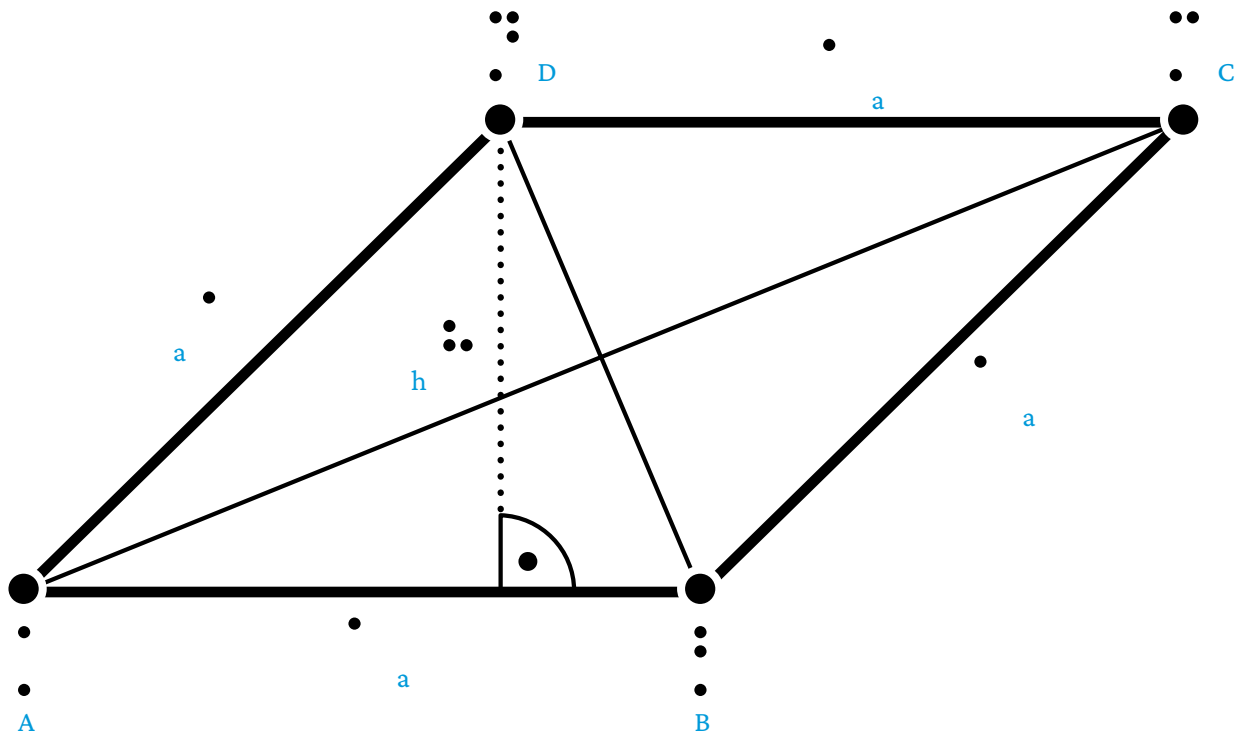
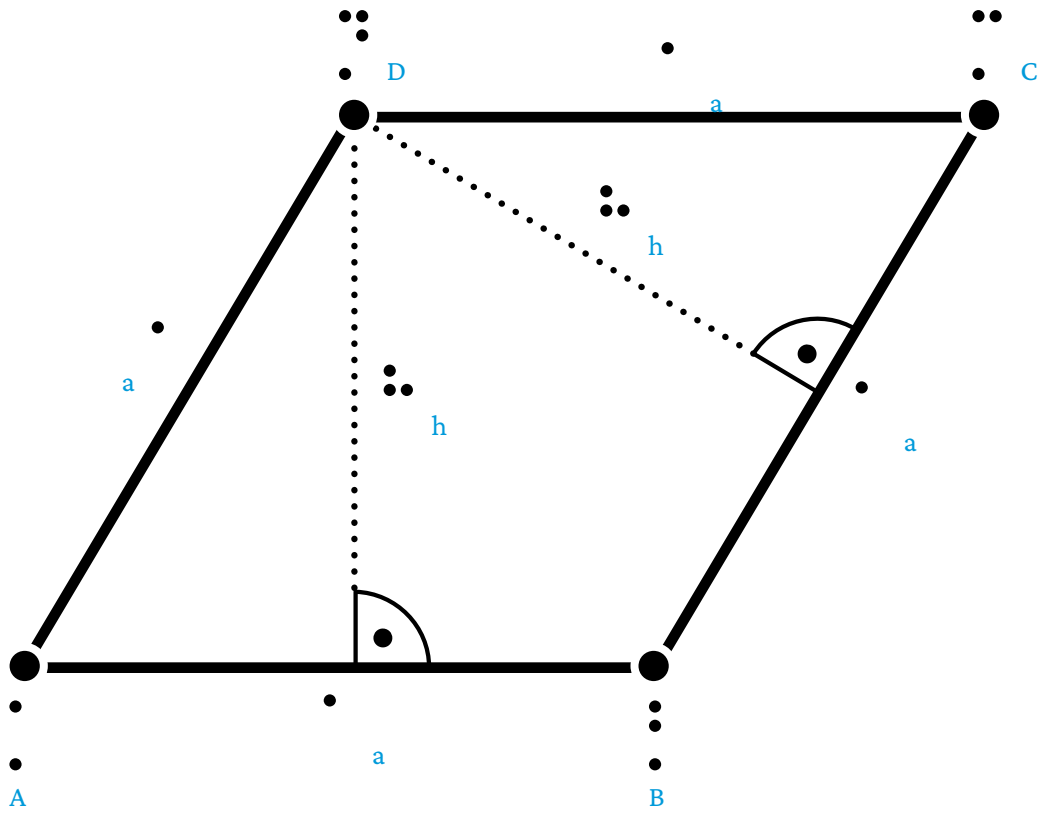
4a

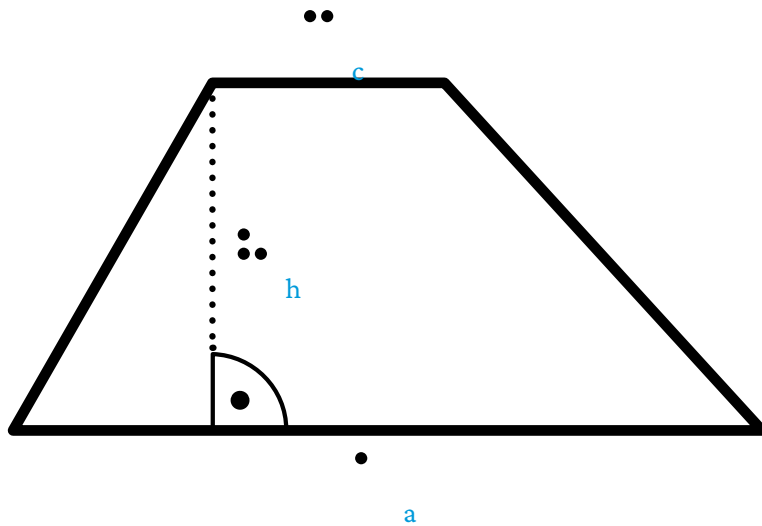
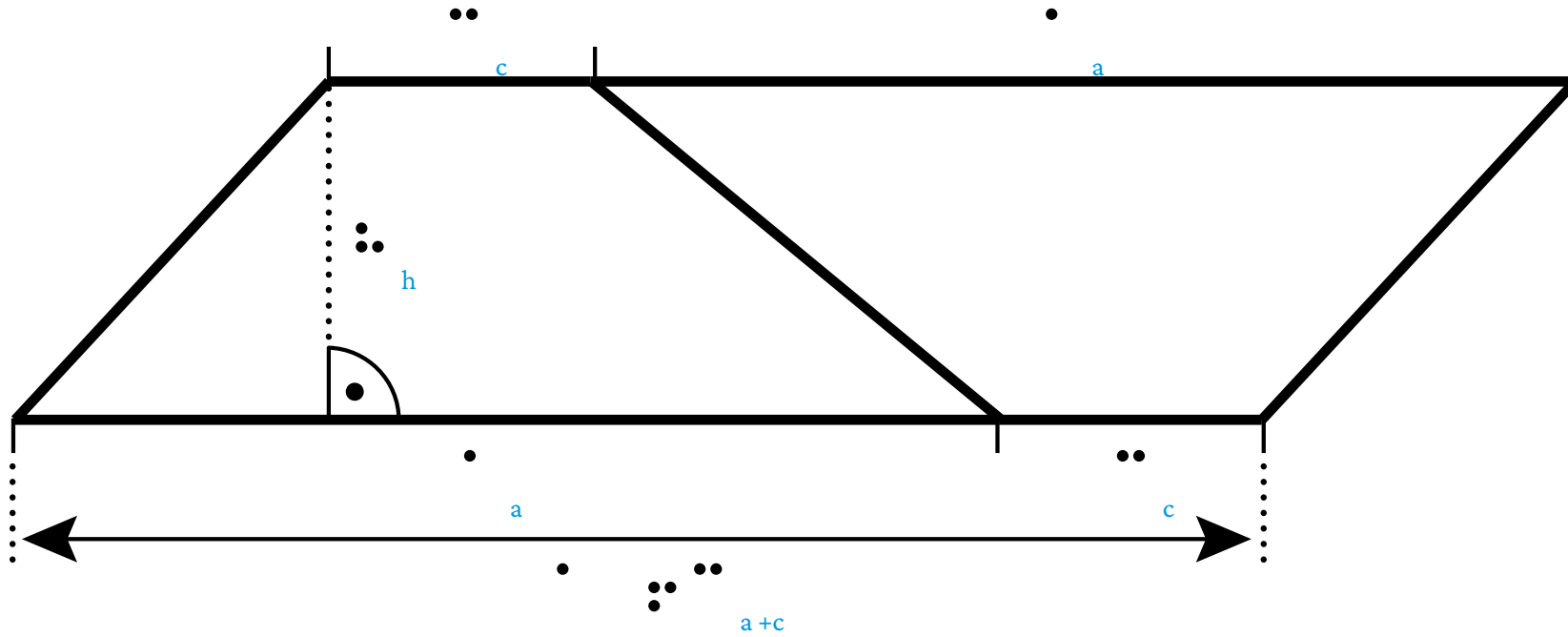
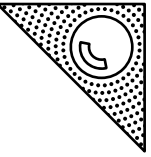


4a

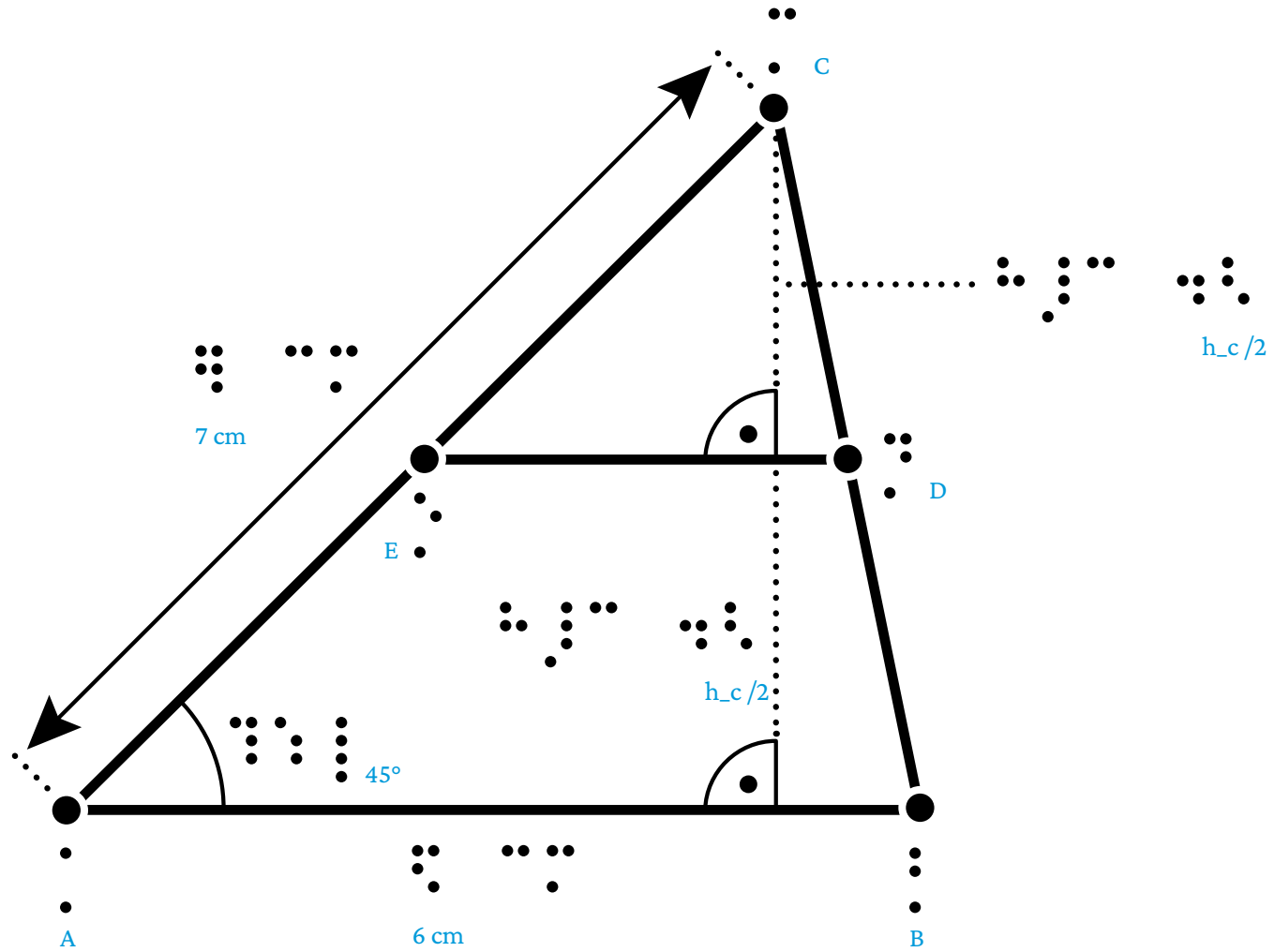
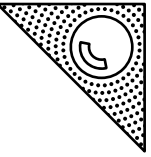


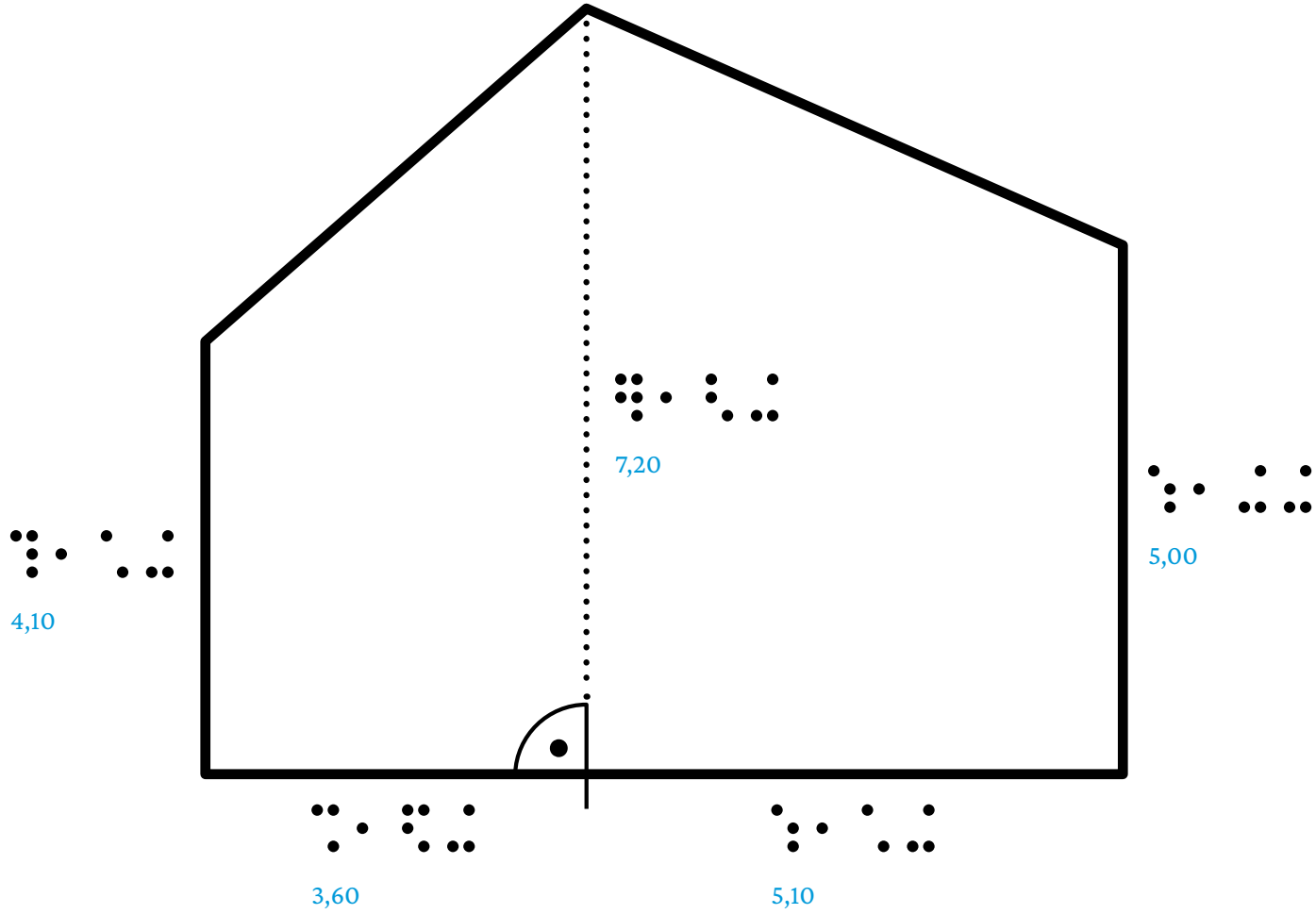
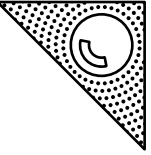
S.85 Einführungsbeispiel

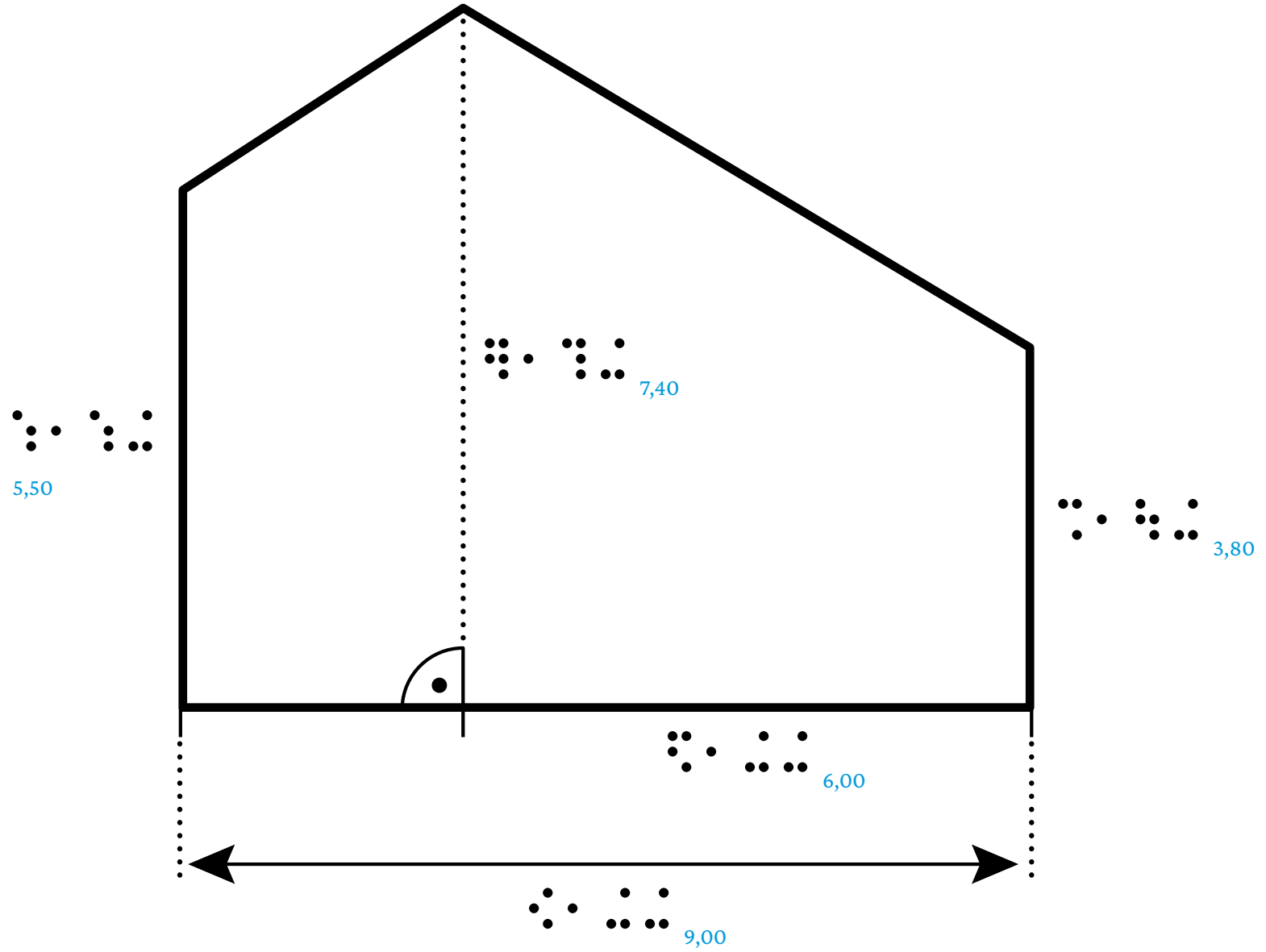
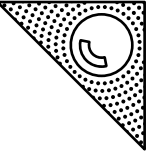




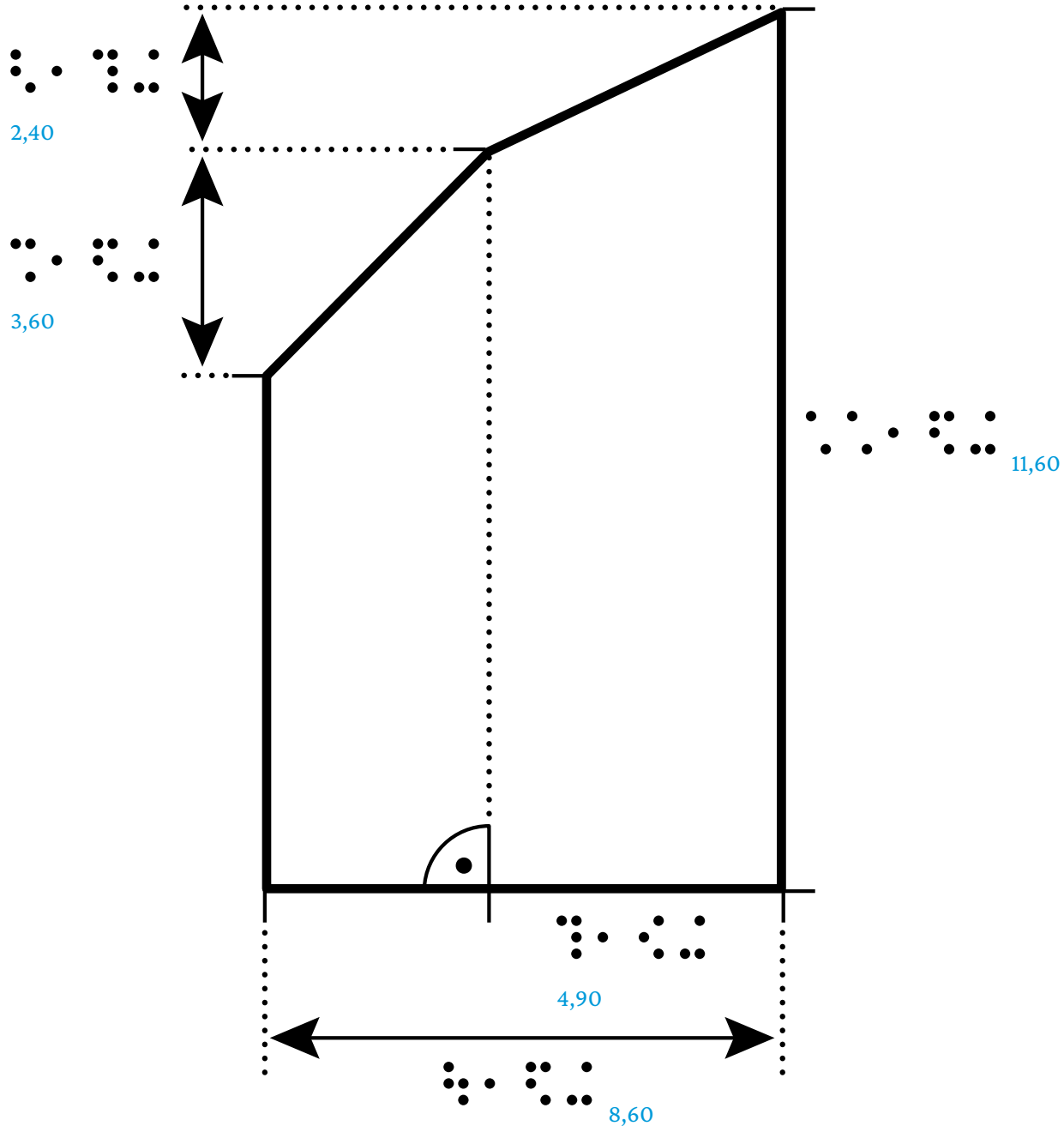
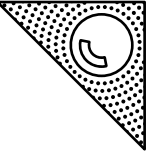
Formel:  
 $A = ((a + c) * h) / 2$

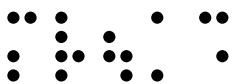




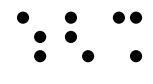
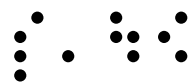




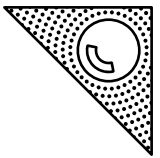




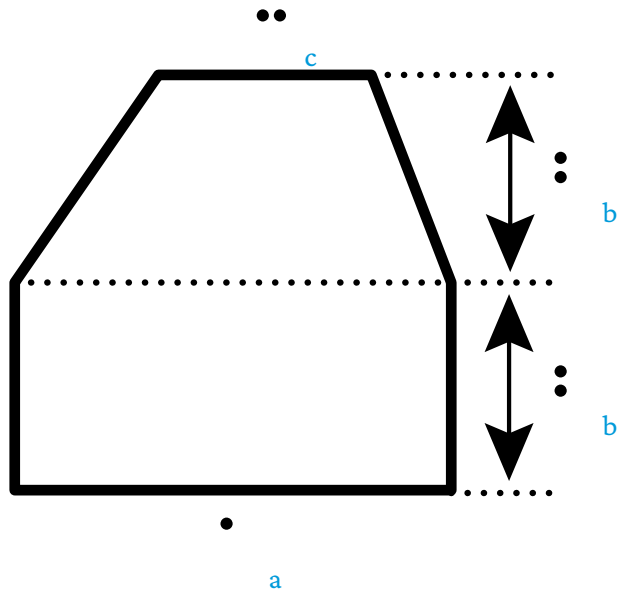
MVÜA3



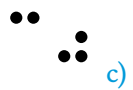
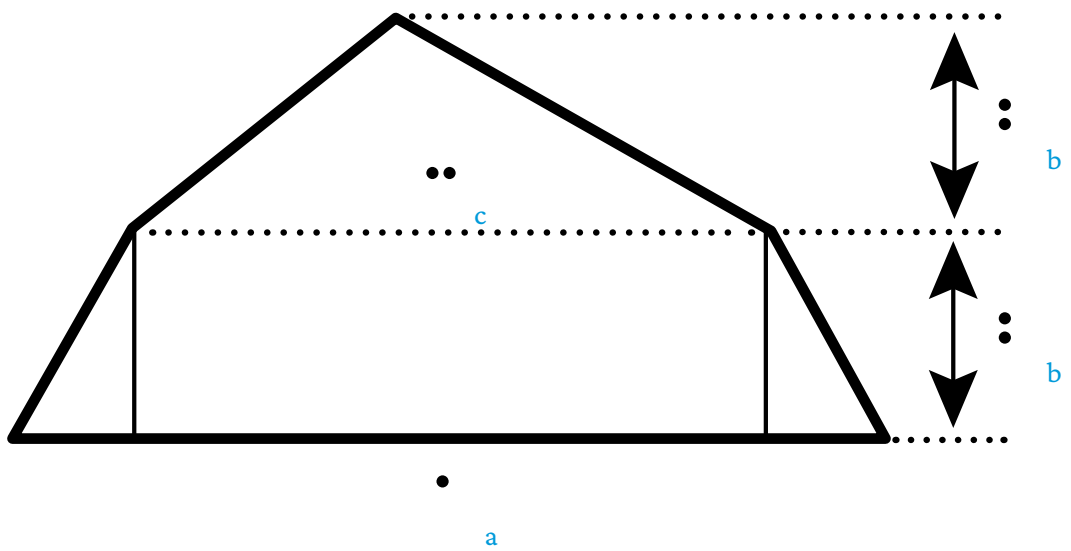
S.89 523



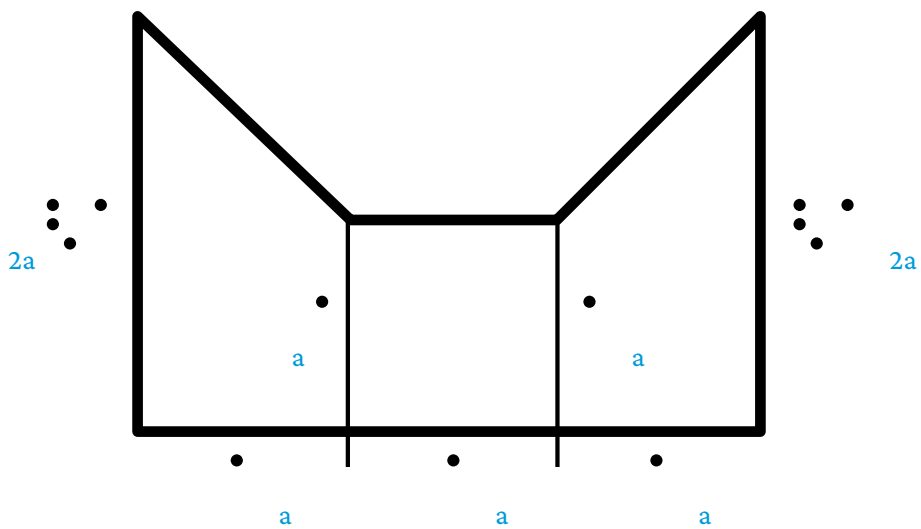
a)

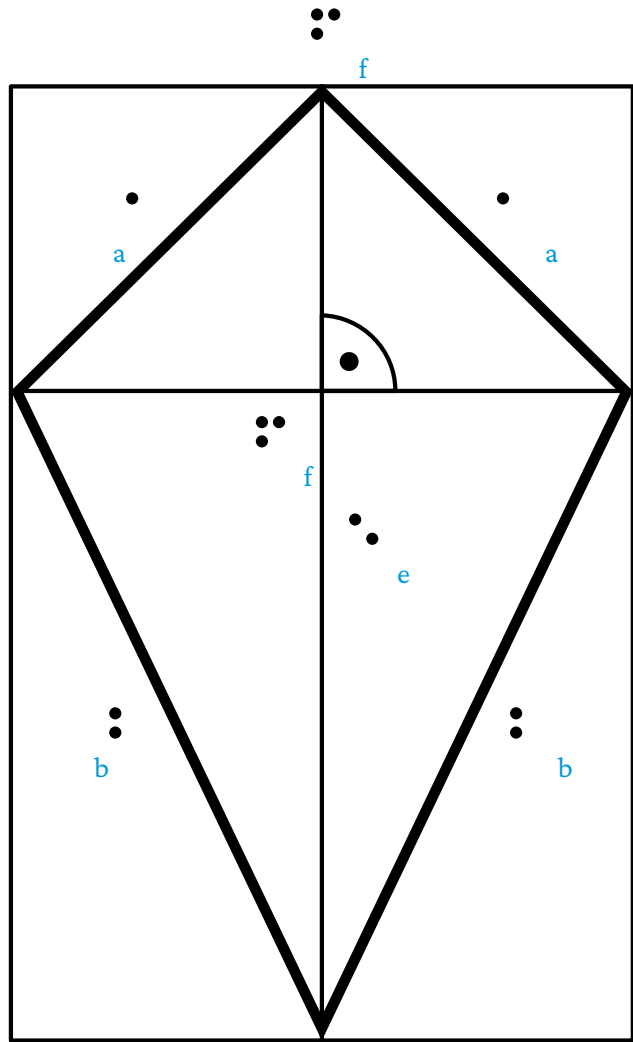
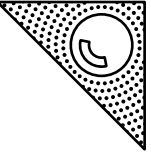


b)

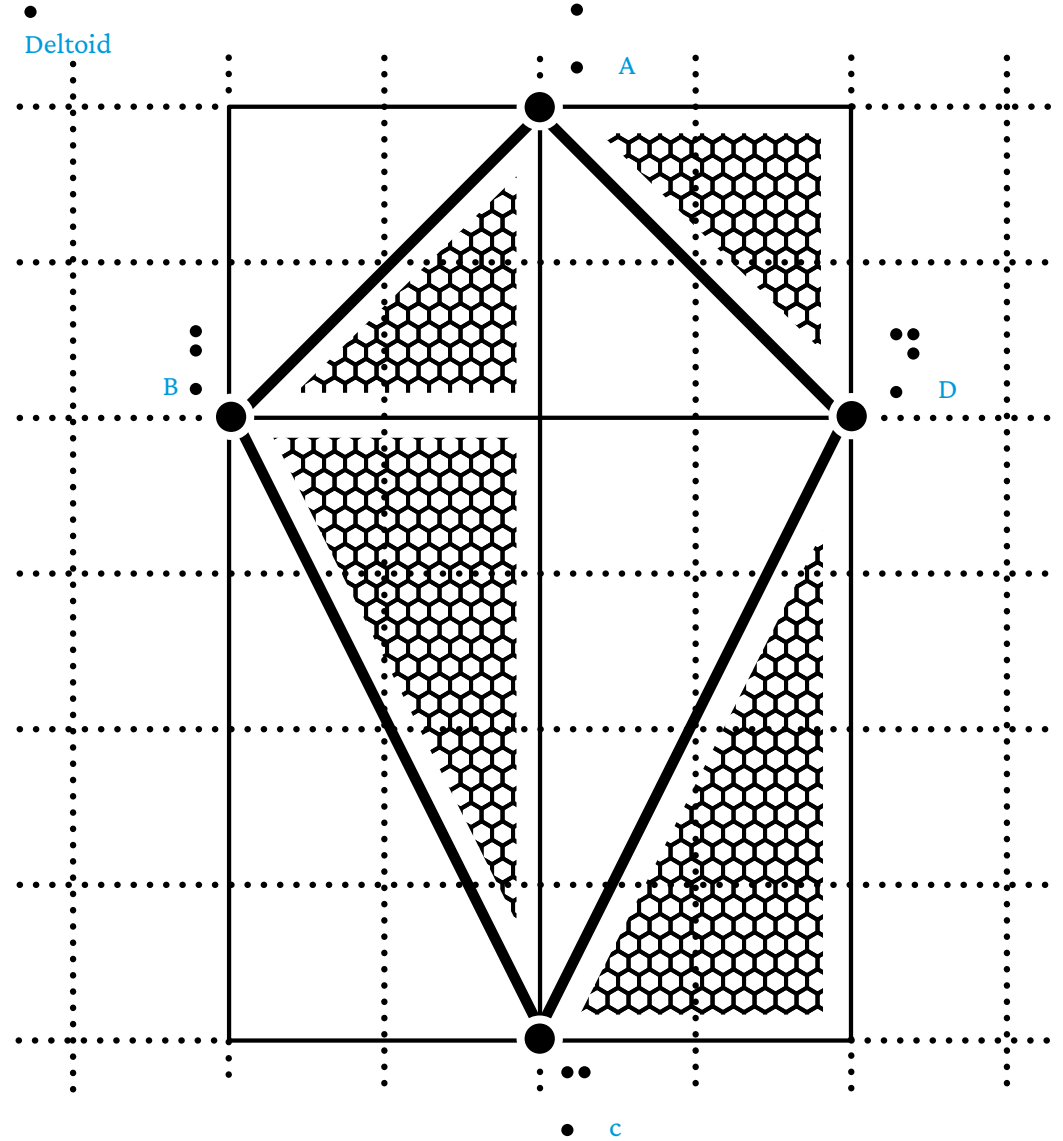


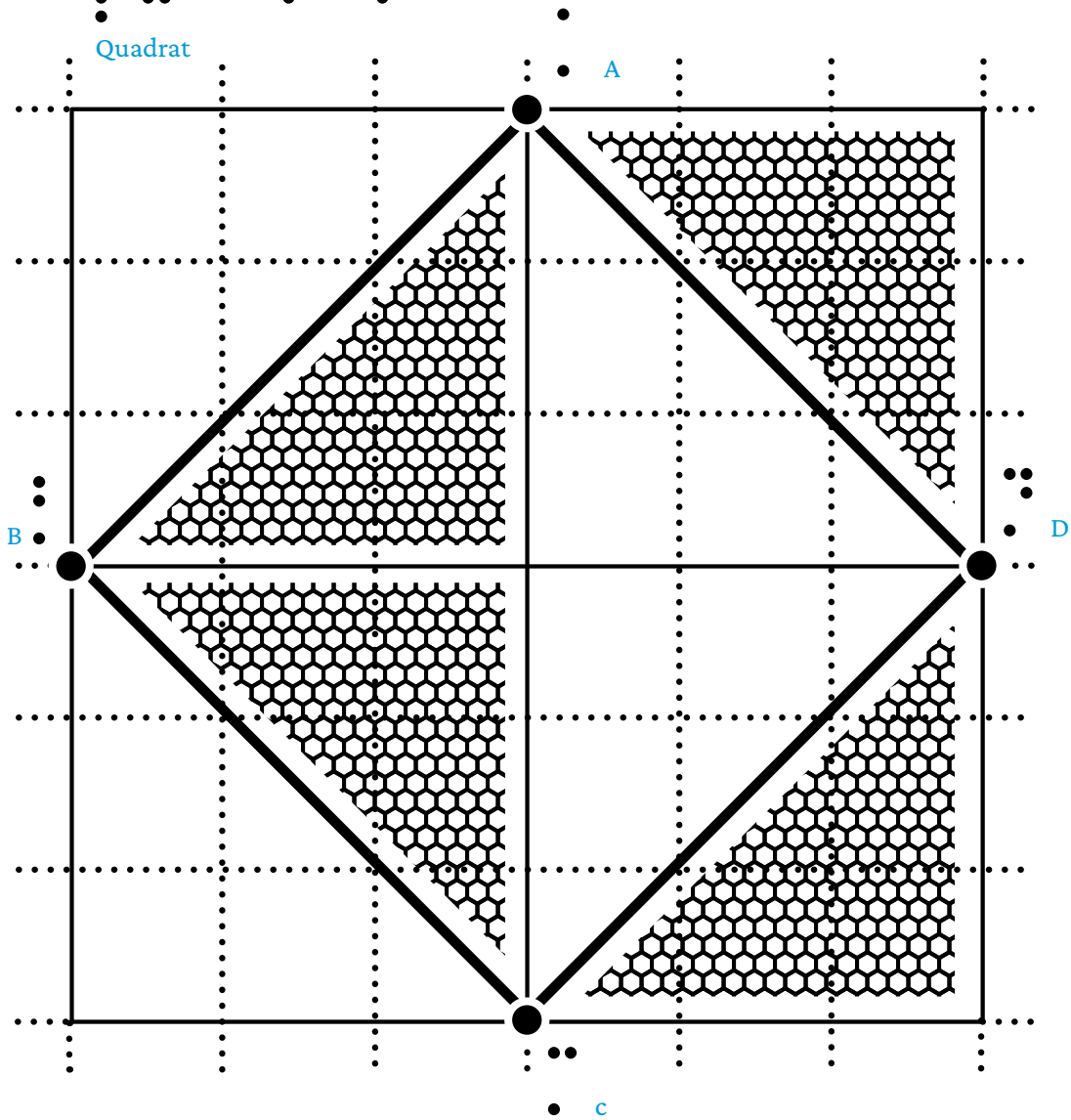
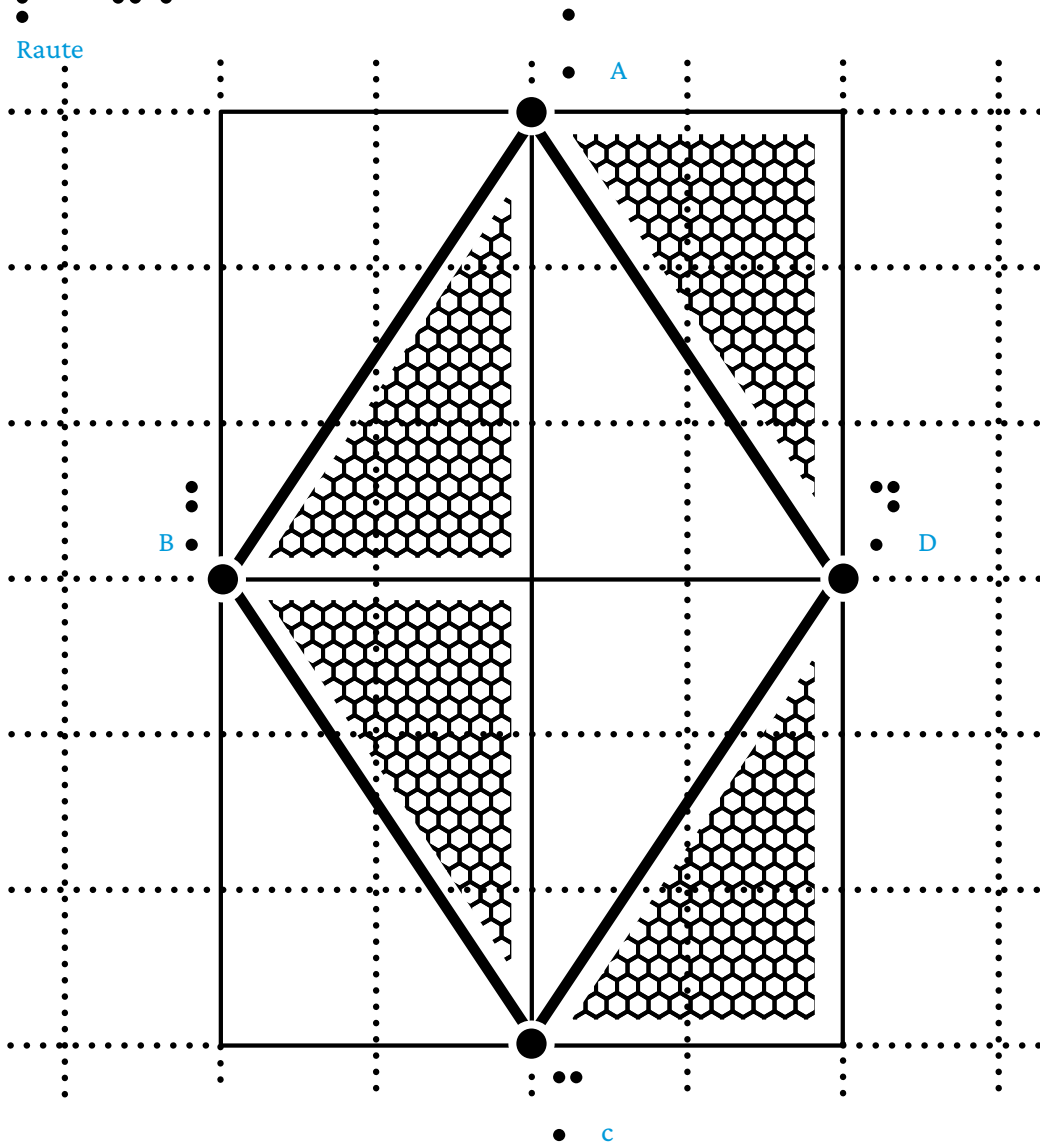
c)

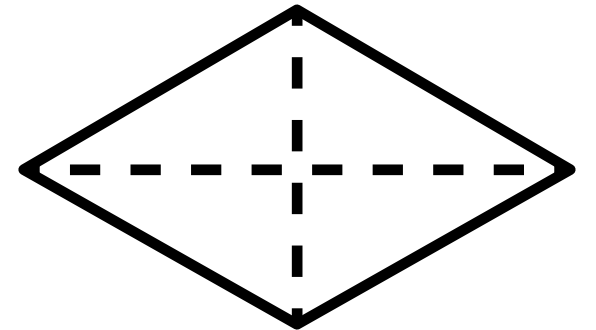
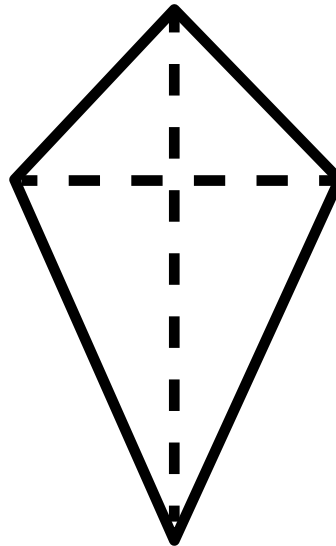
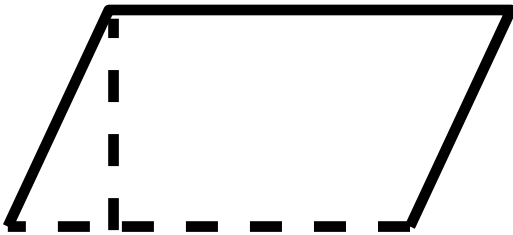
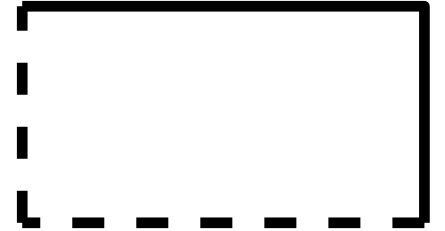
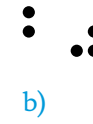
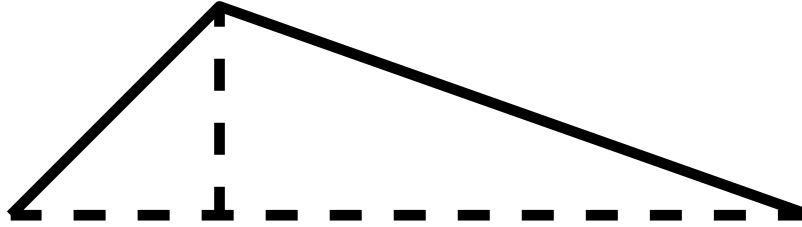
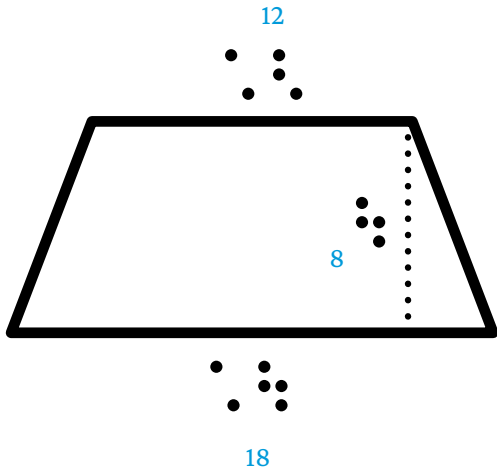
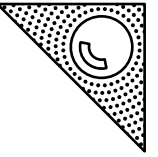


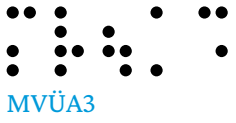


Deltoid





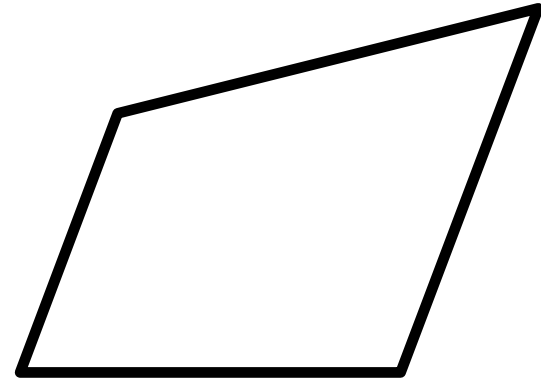
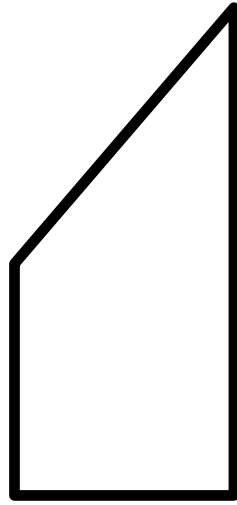
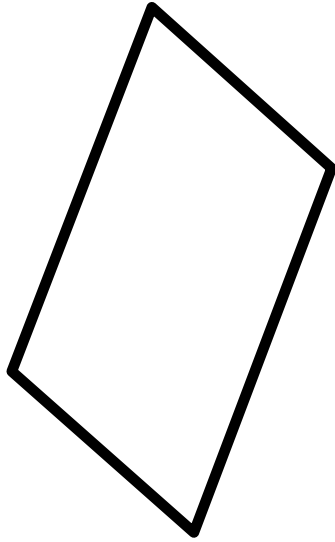




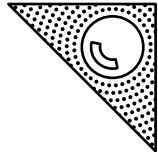
MVÜA3



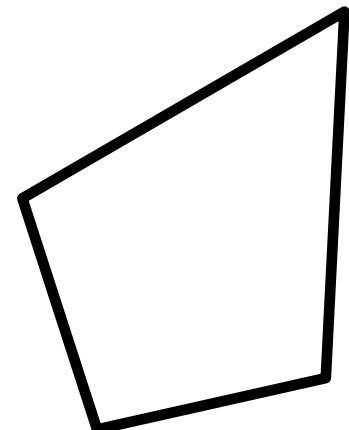
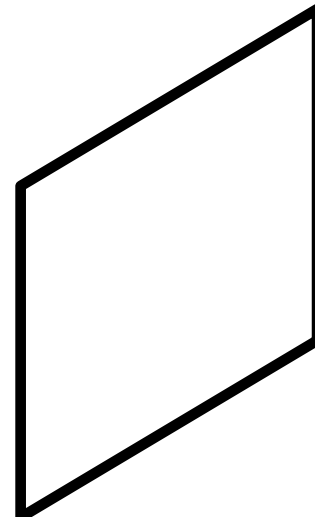
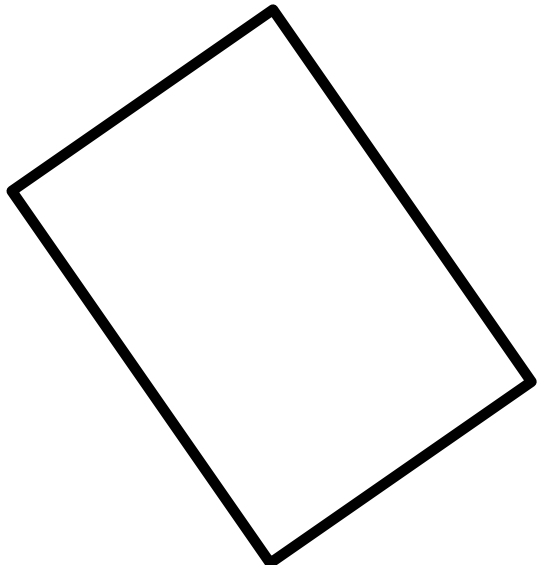
a)

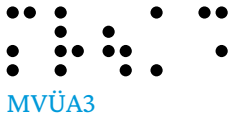


S.92 538



b)





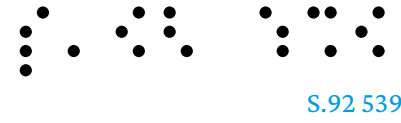
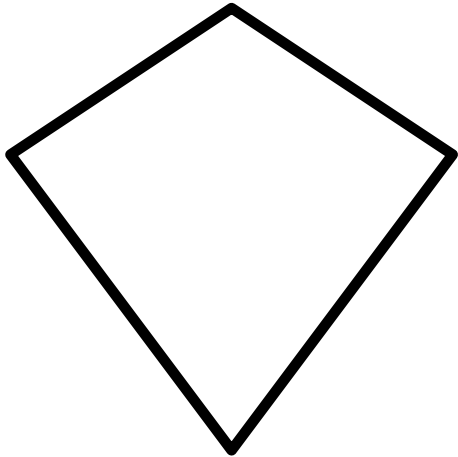
MVÜA3



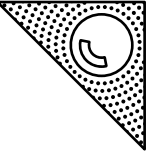
1)



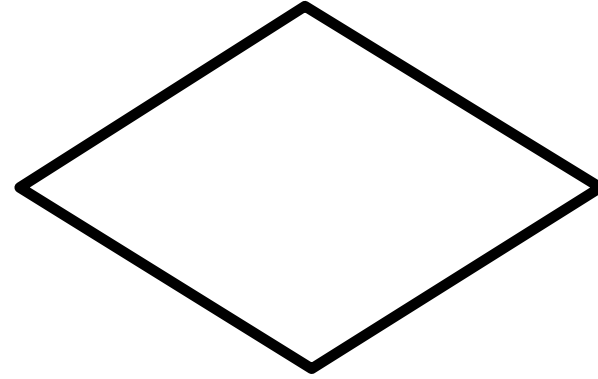
3)



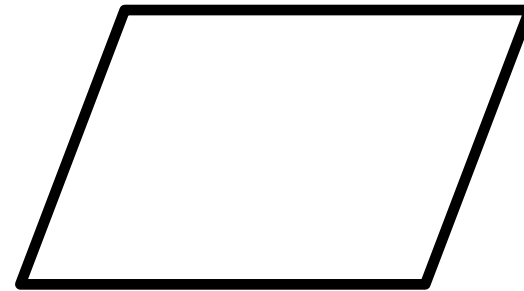
S.92 539

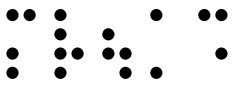


2)



4)

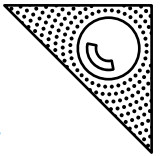




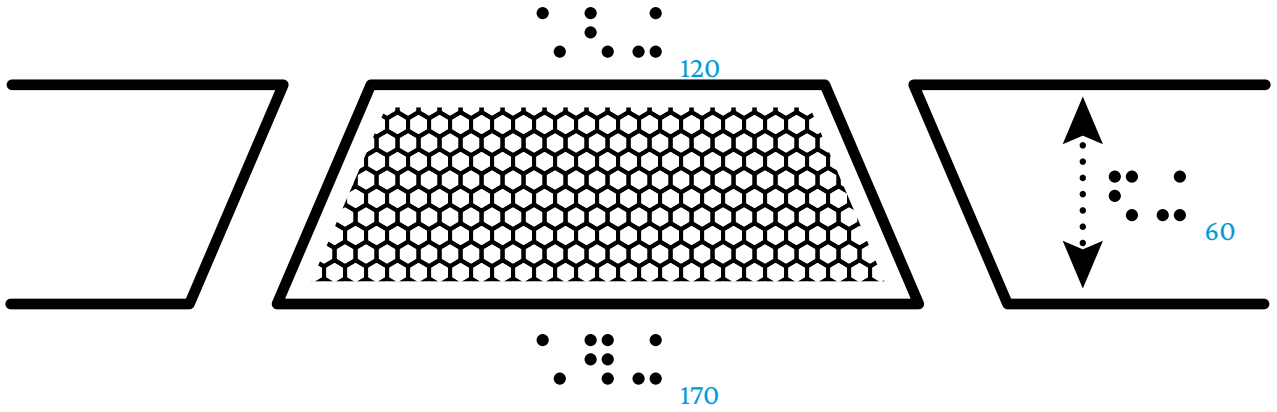
MVÜA3



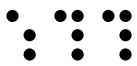
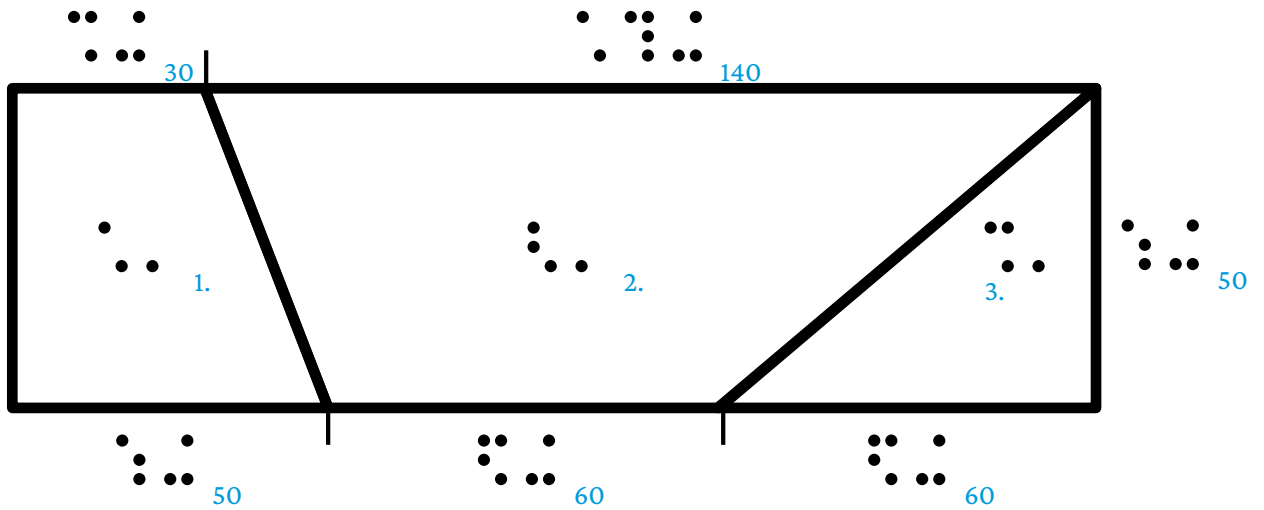
S.92, 93 542 - 544



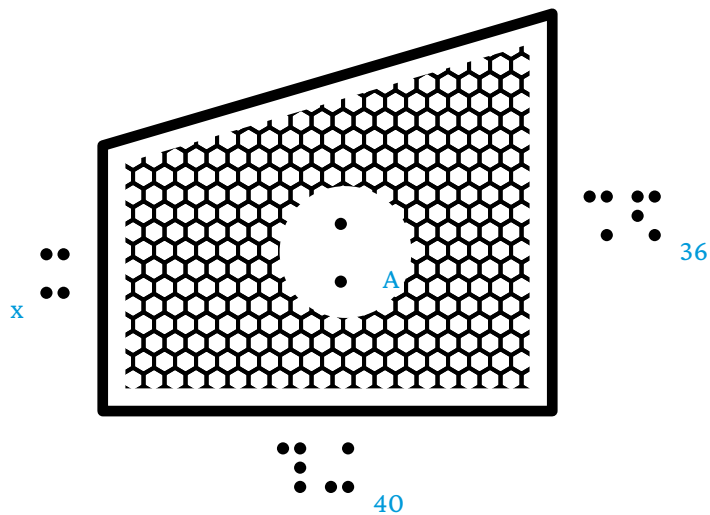
542



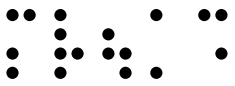
543



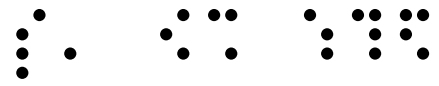
544



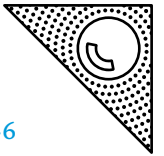




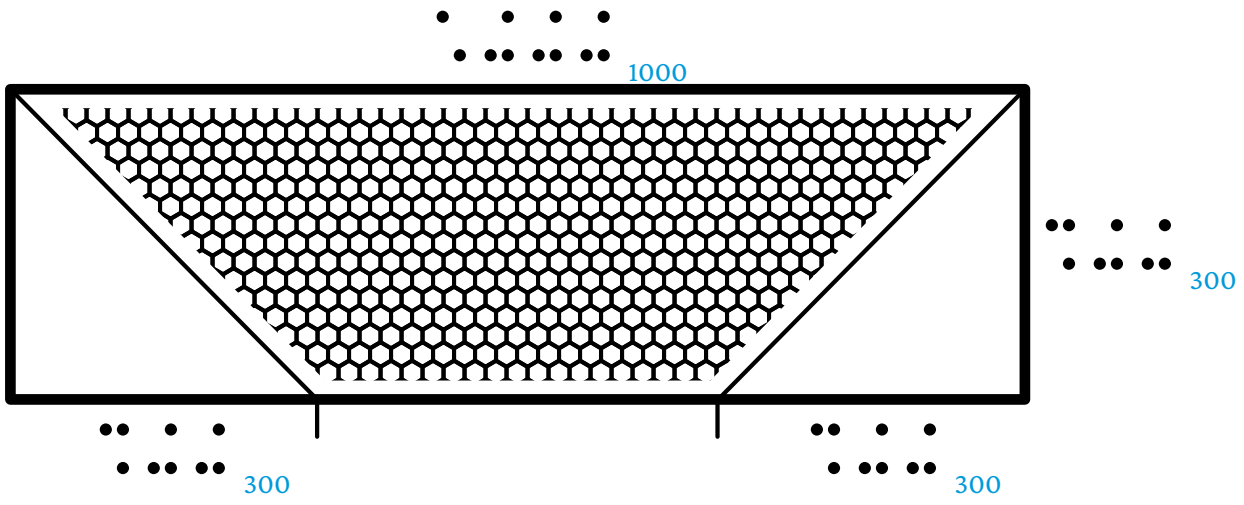
MVÜA3



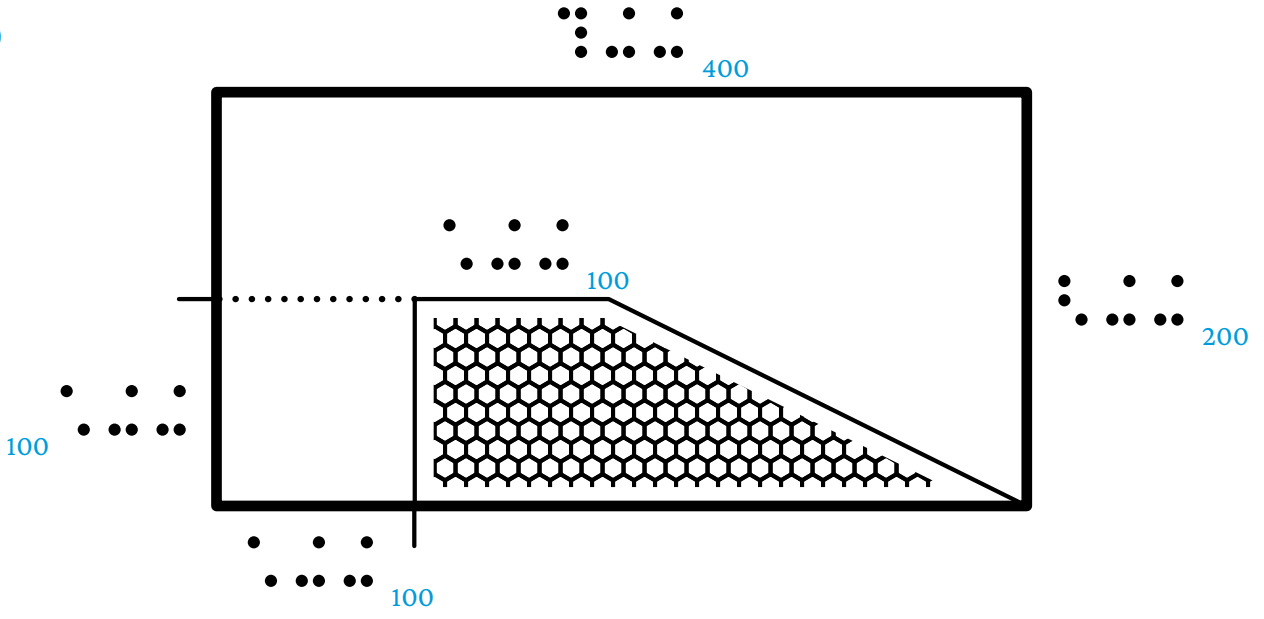
S.93 546



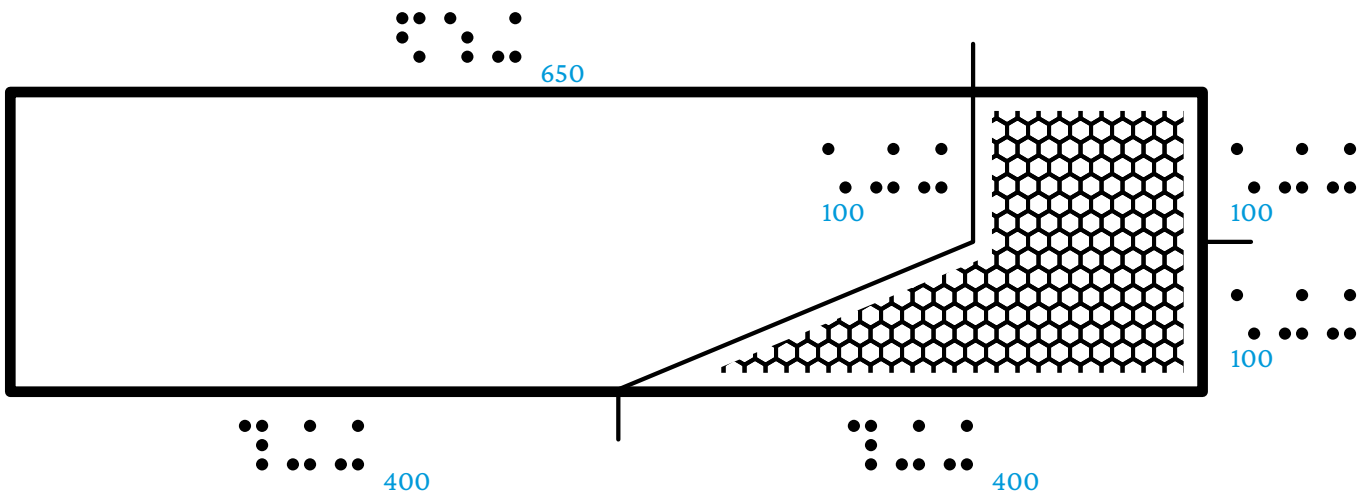
a)

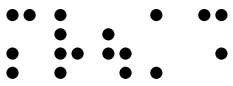


b)

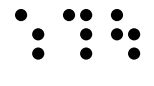
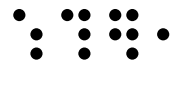


c)

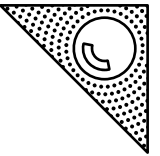




MVÜA3

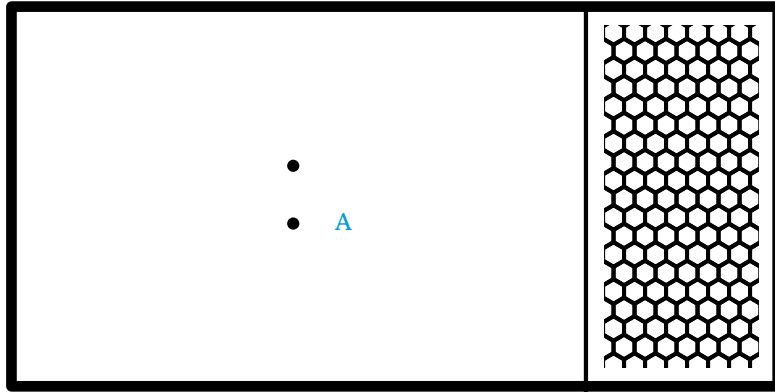


S.93 547, 548



547

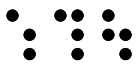
b



a

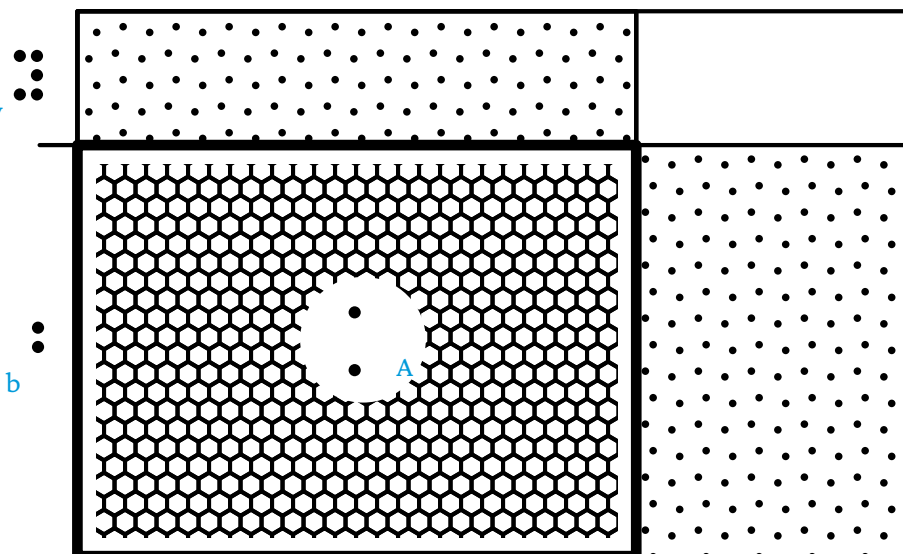


c



548

y



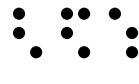
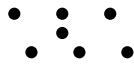
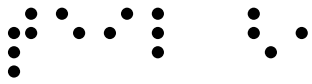
b

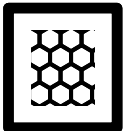
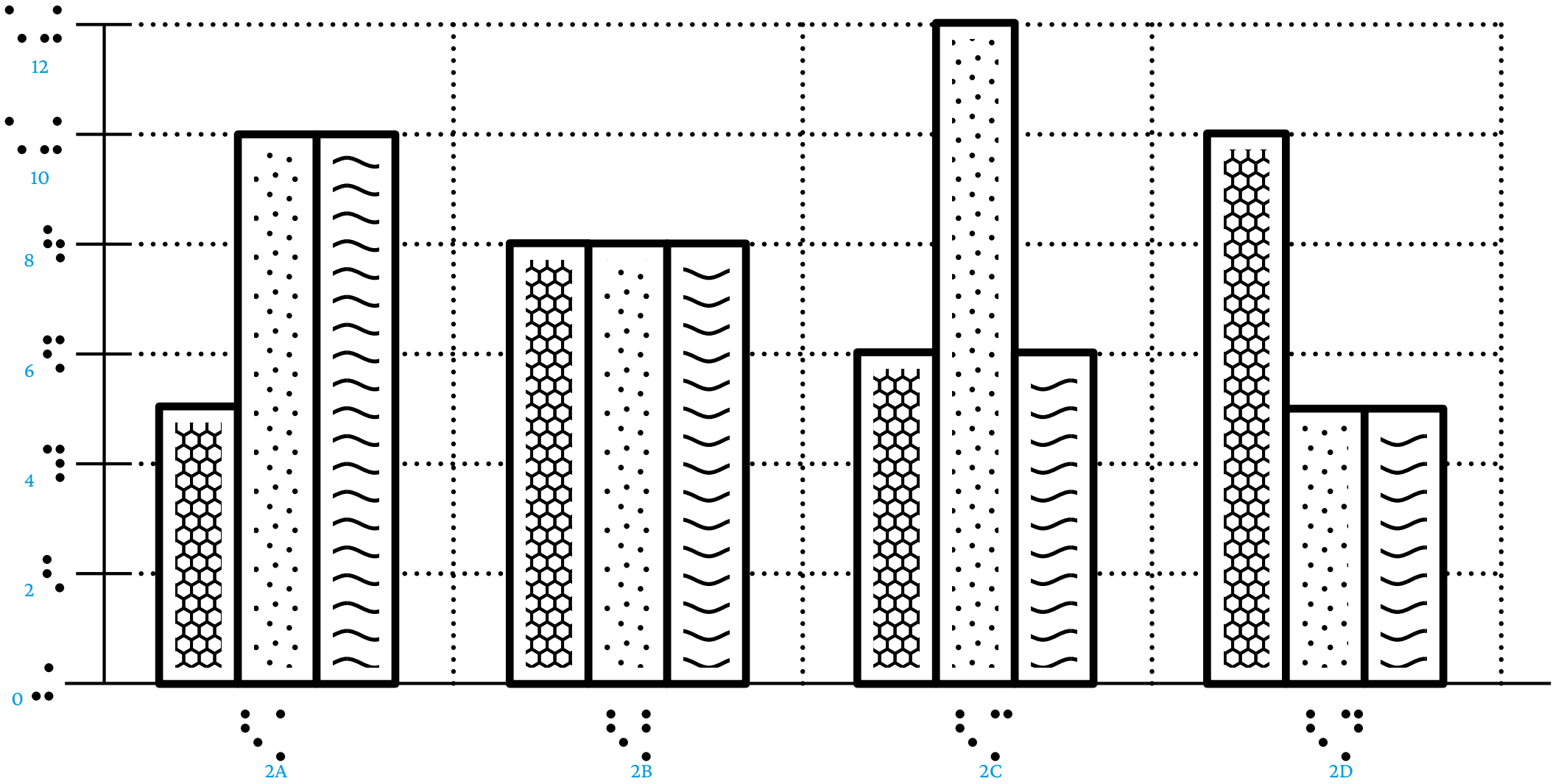
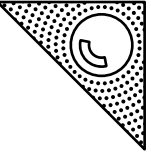


a

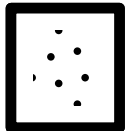


x

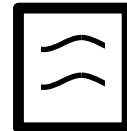




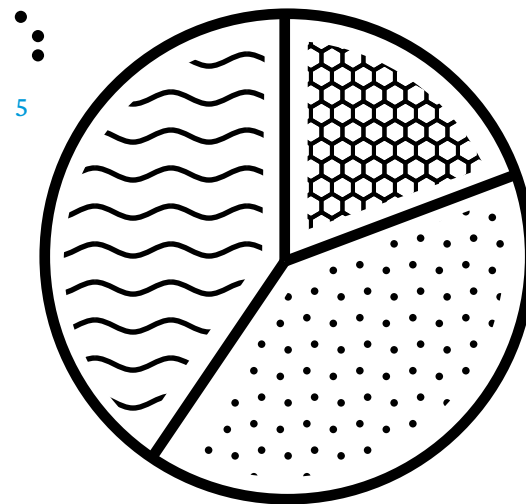
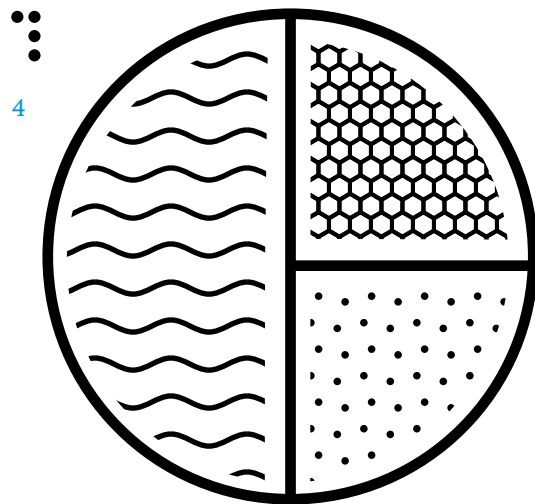
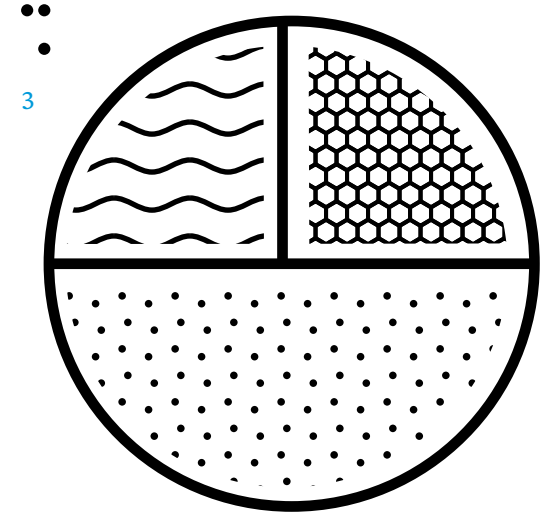
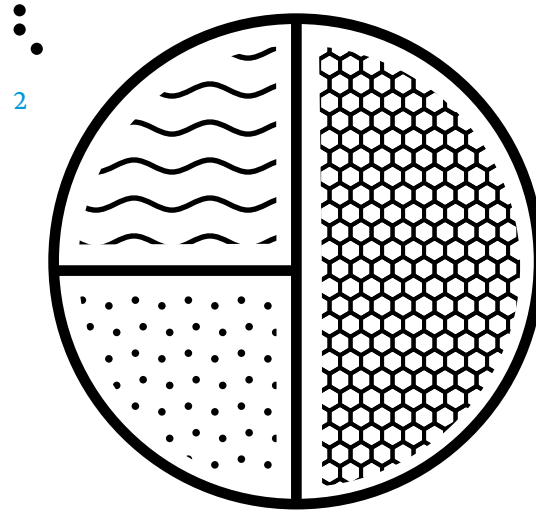
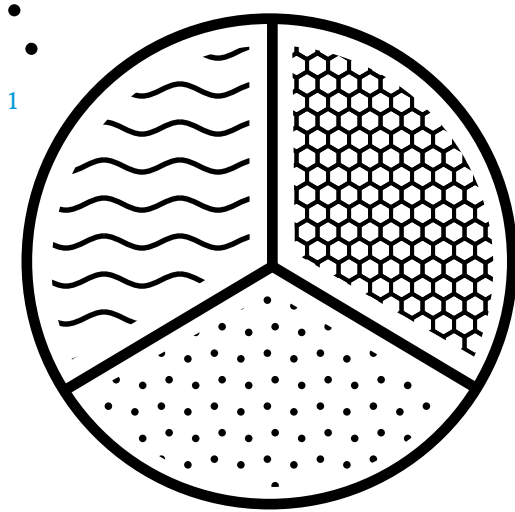
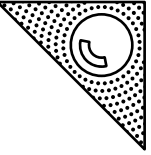
Wienwoche

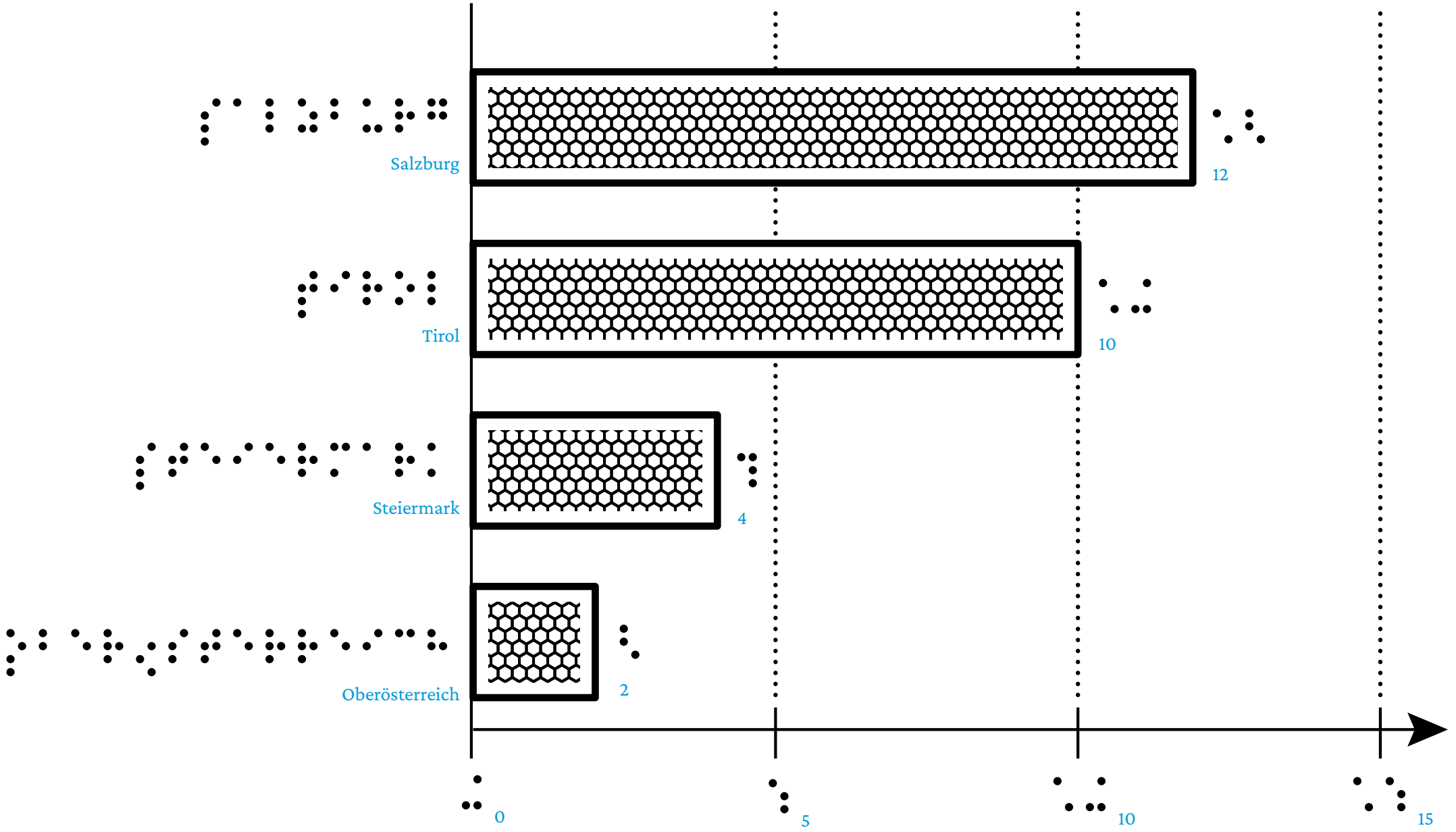
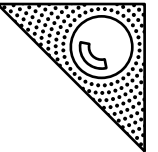


Schikurs

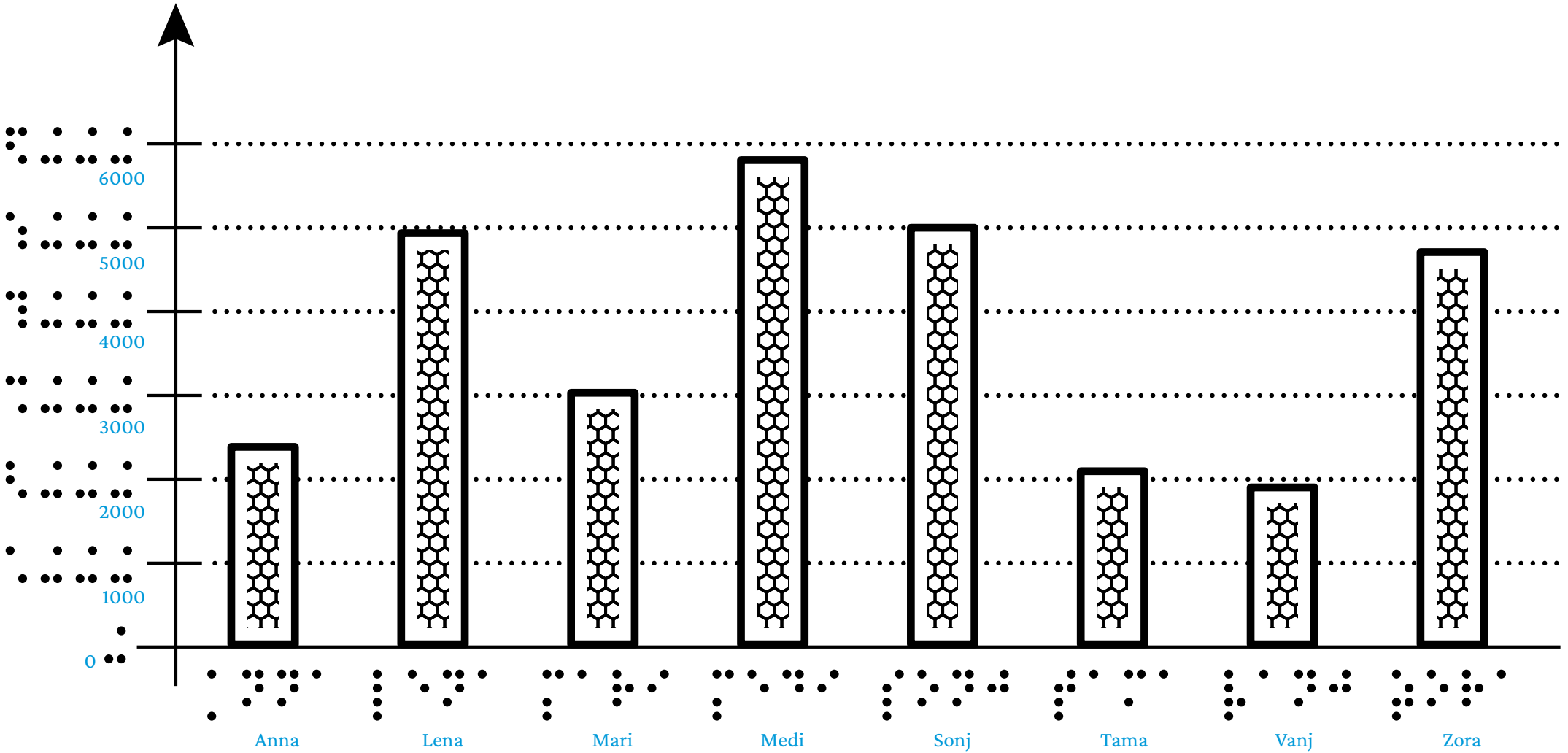
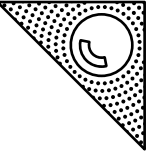


Wienwoche

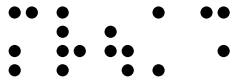




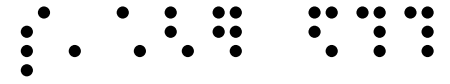




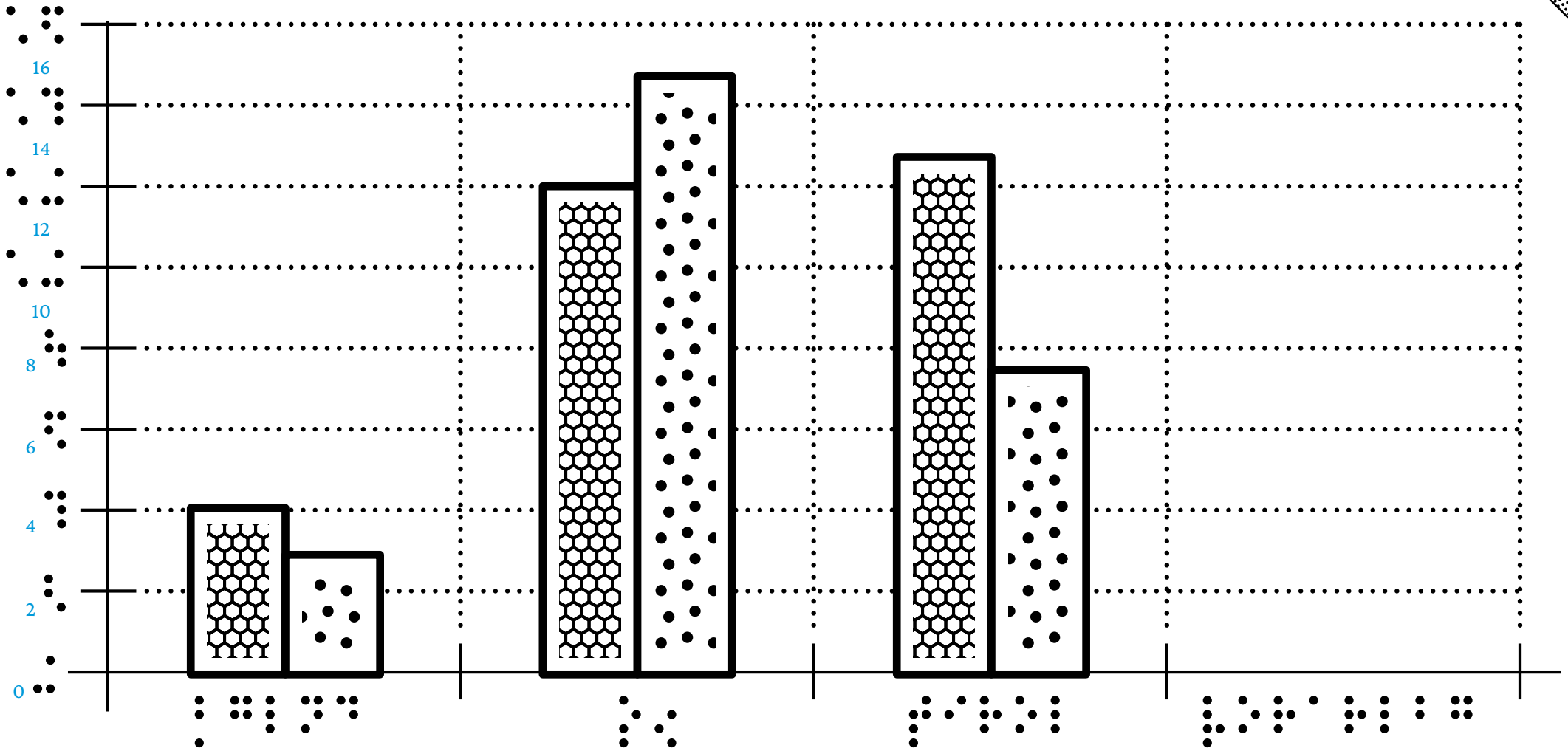




MVÜA3



S.127 644

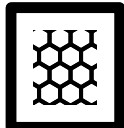


Bglnd

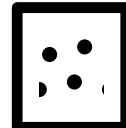
OÖ

Tirol

Vorarlbg

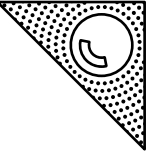


Fläche (in 1000 km<sup>2</sup>)



Einwohner (in 100000)

Einwohner (in 100000)



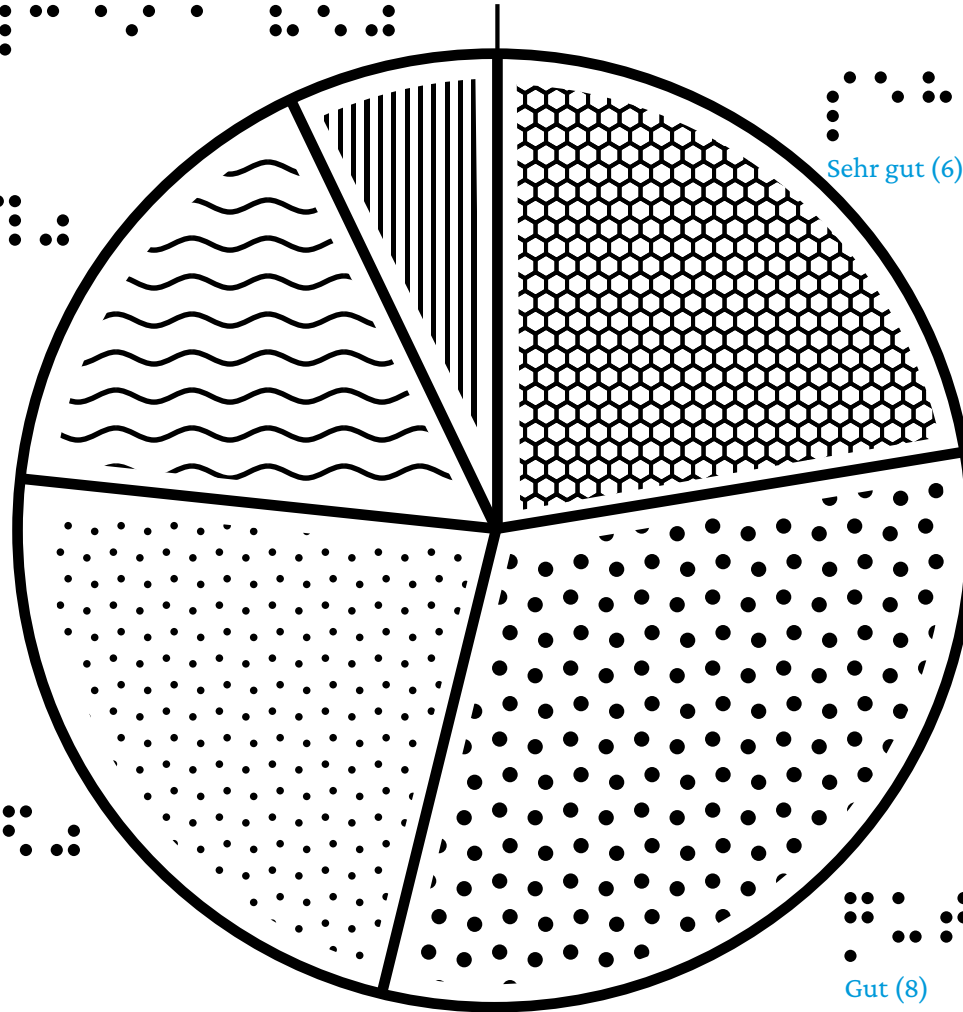
Nicht genügend (2)

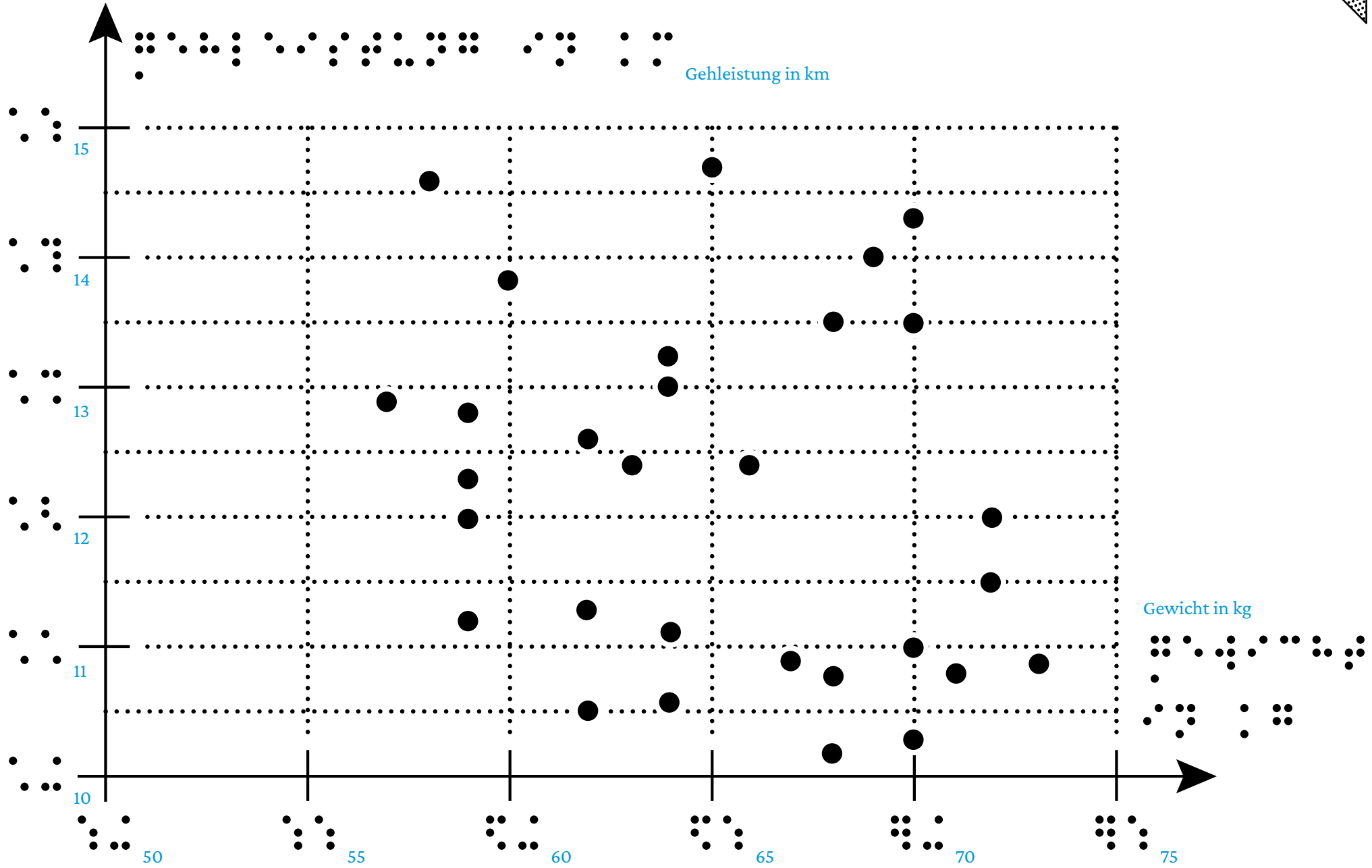
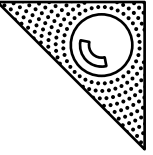
Genügend (4)

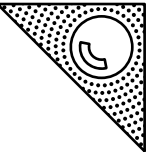
Sehr gut (6)

Befriedigend (6)

Gut (8)

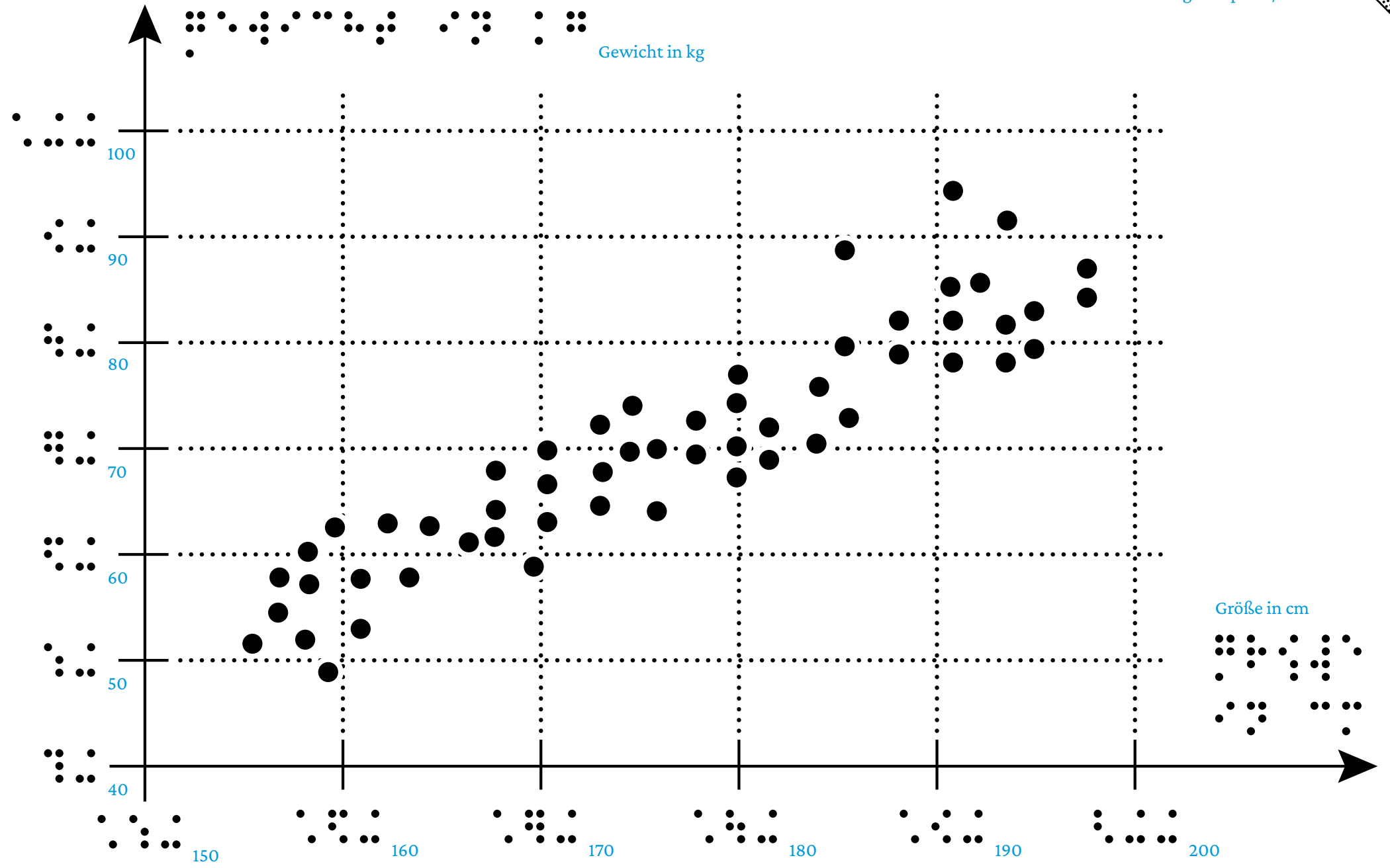


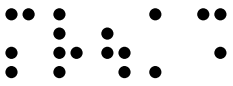




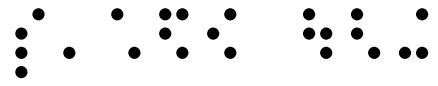
Gewicht in kg

Größe in cm

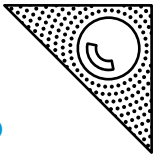




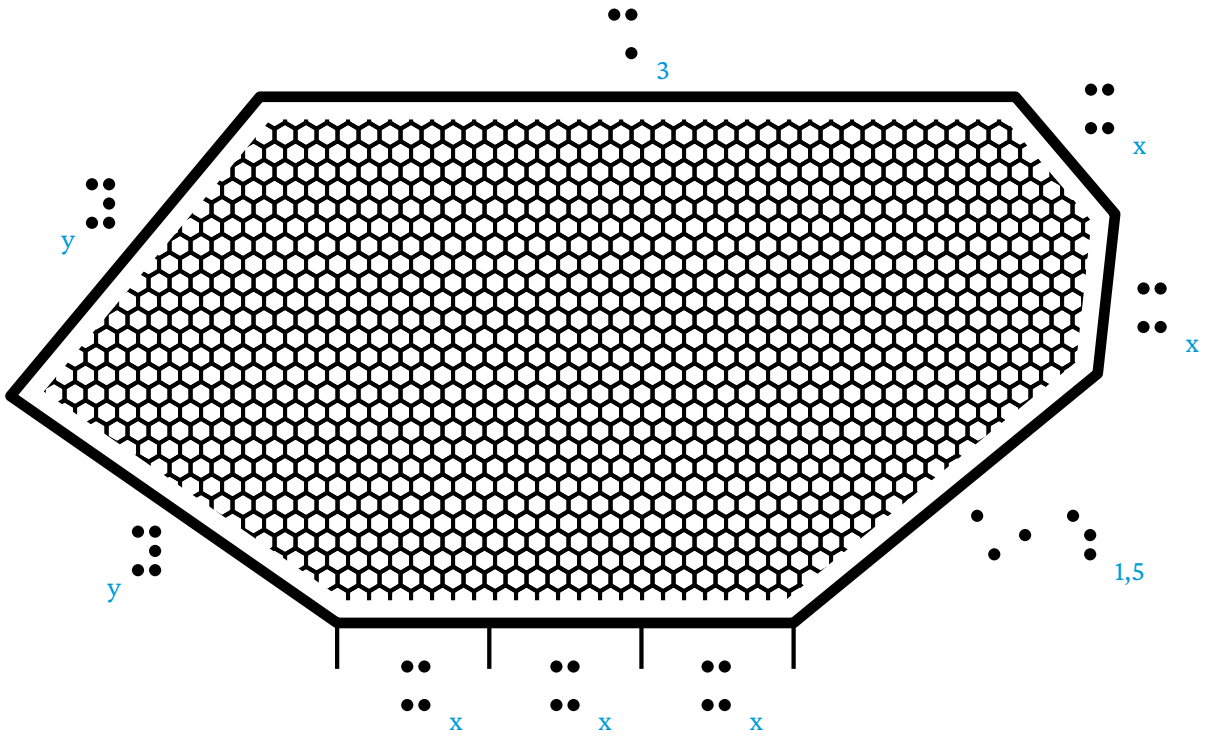
MVÜA3



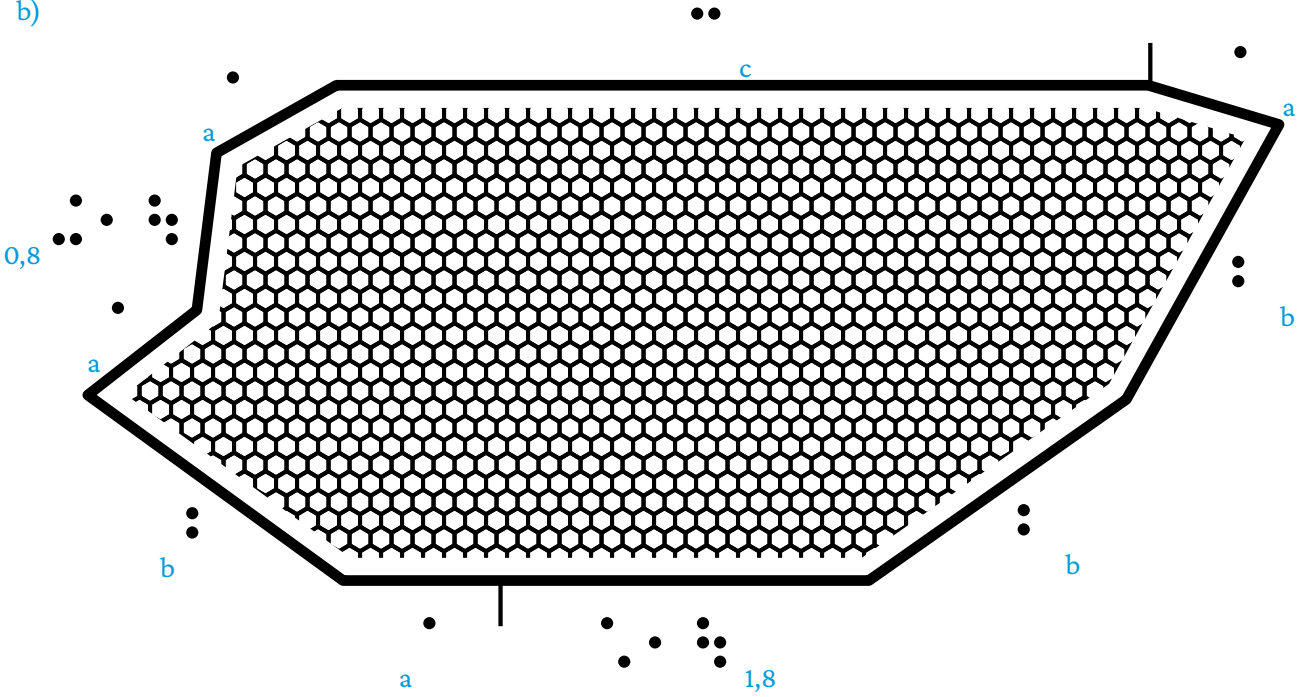
S.169 820

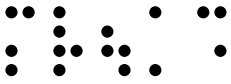


a)

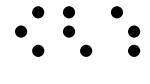


b)

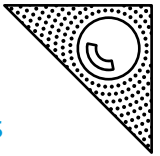




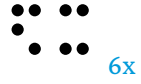
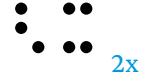
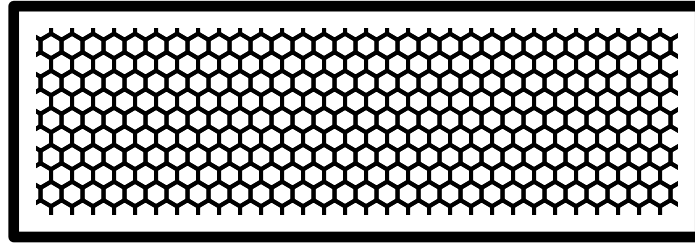
MVÜA3



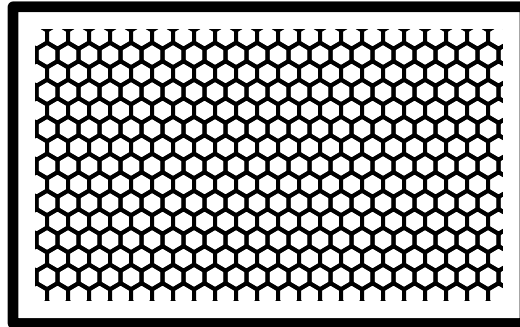
S.183 925



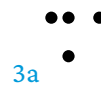
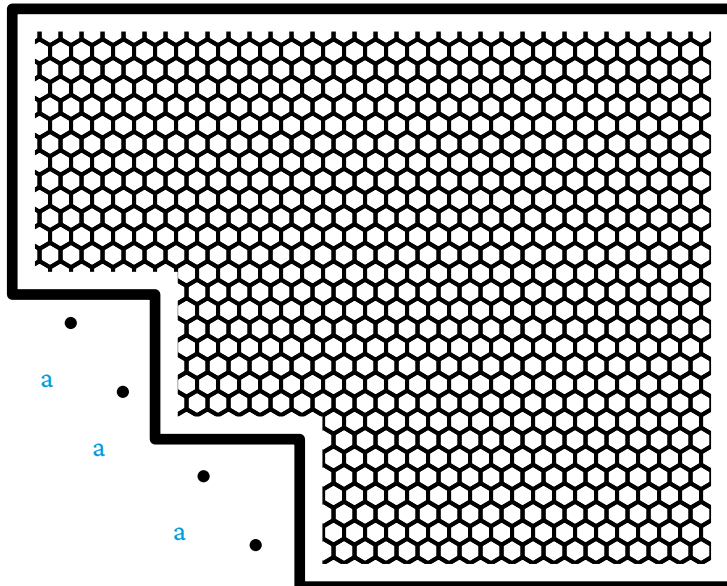
a)

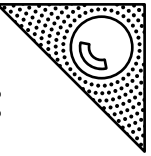


b)



c)

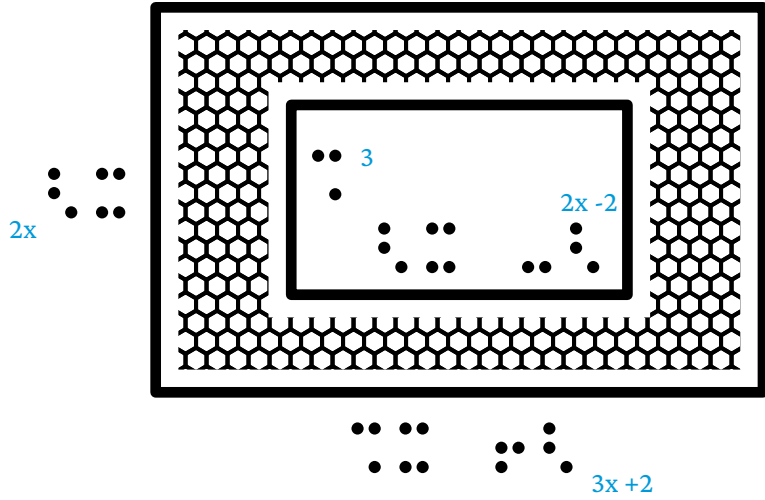




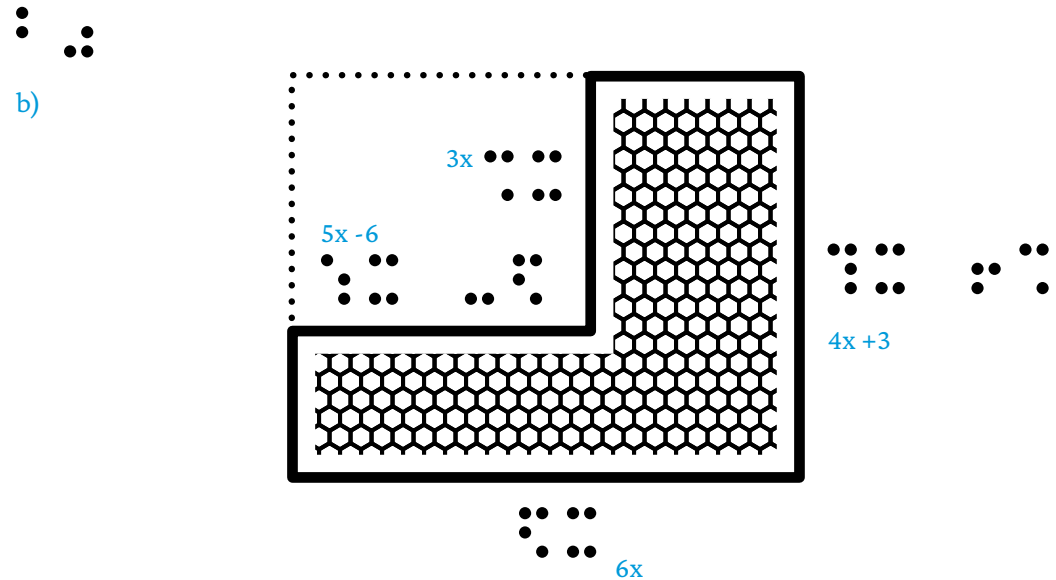
MVÜA3

S.183 927, 928

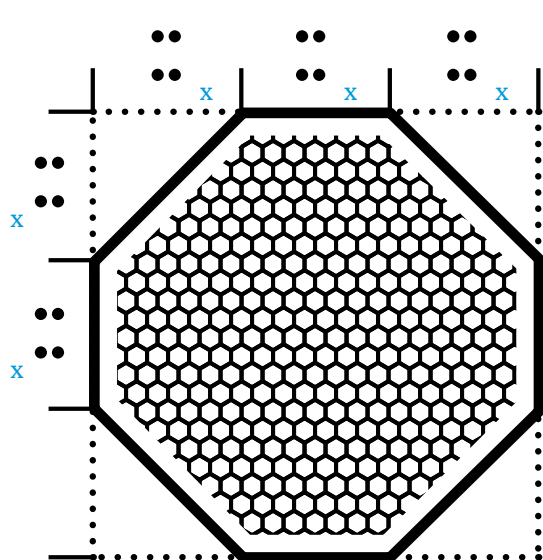
a)



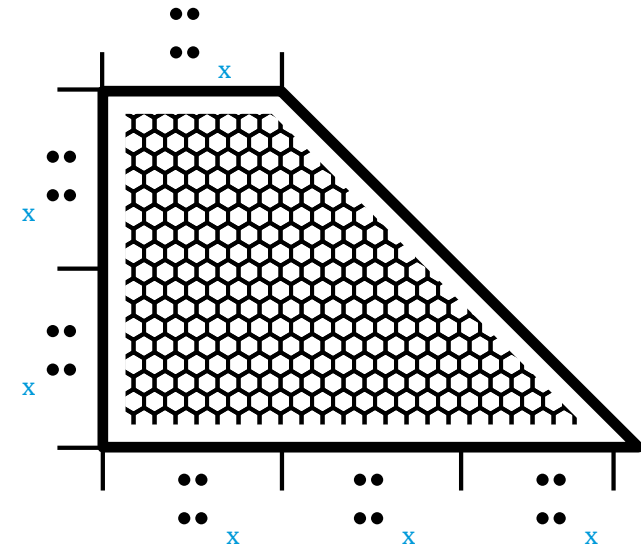
b)

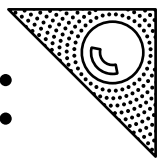


c)



928

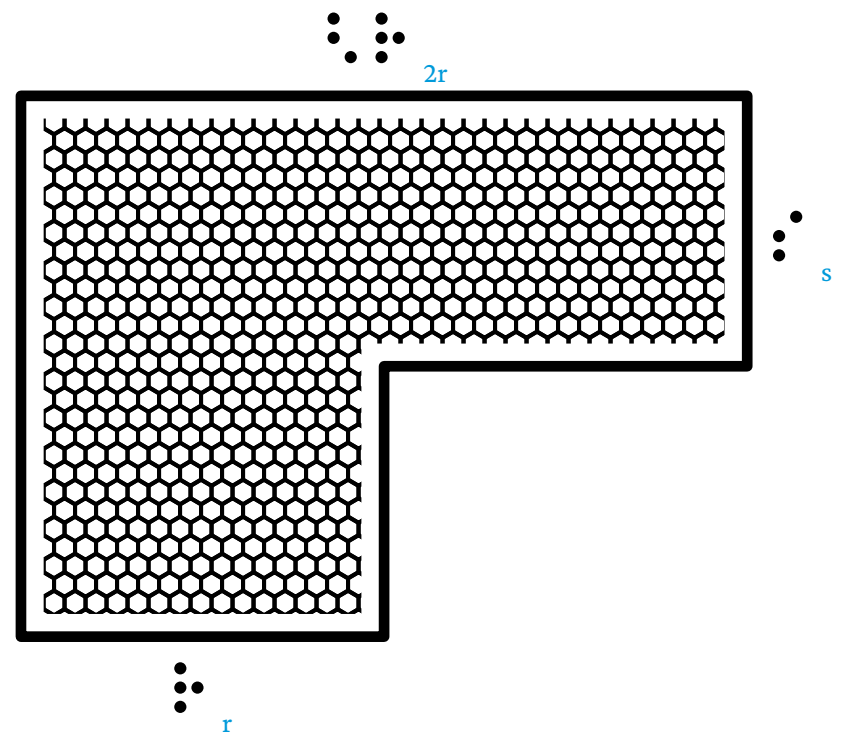




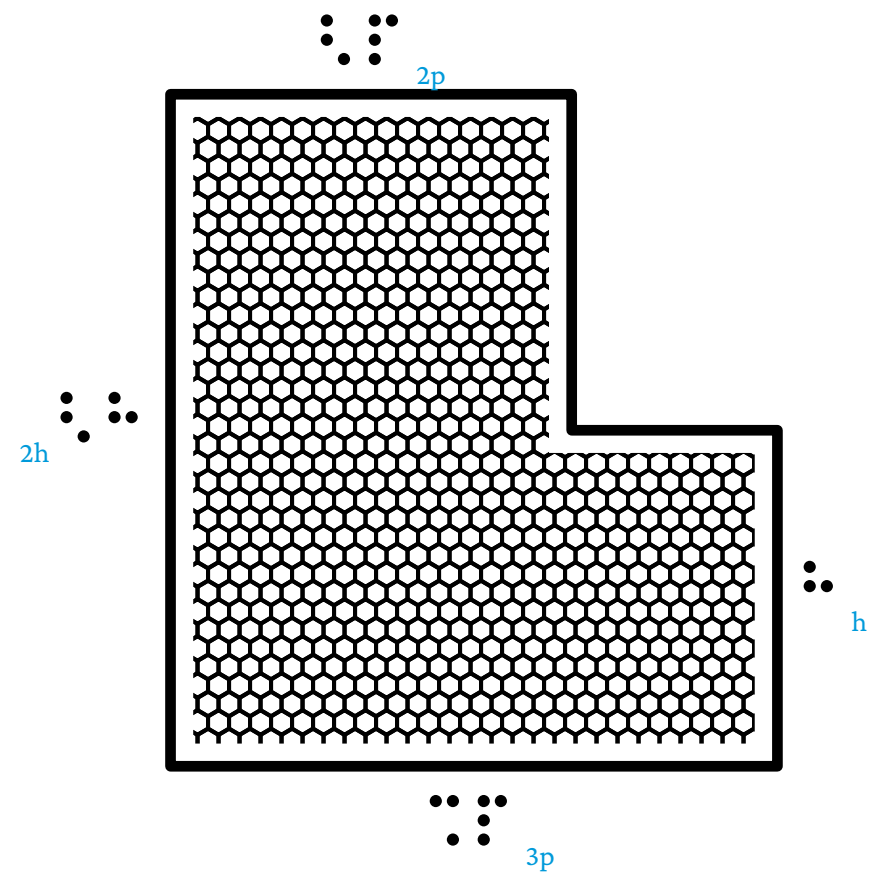
S.206 1106

MVÜA3

a)



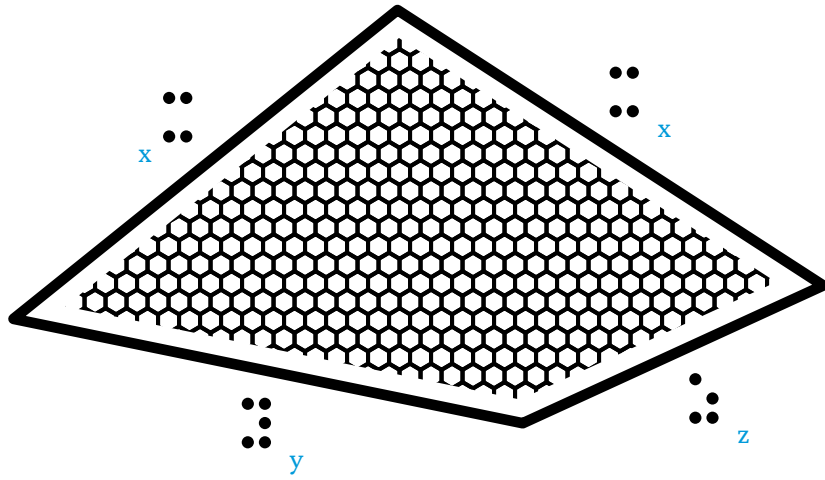
b)



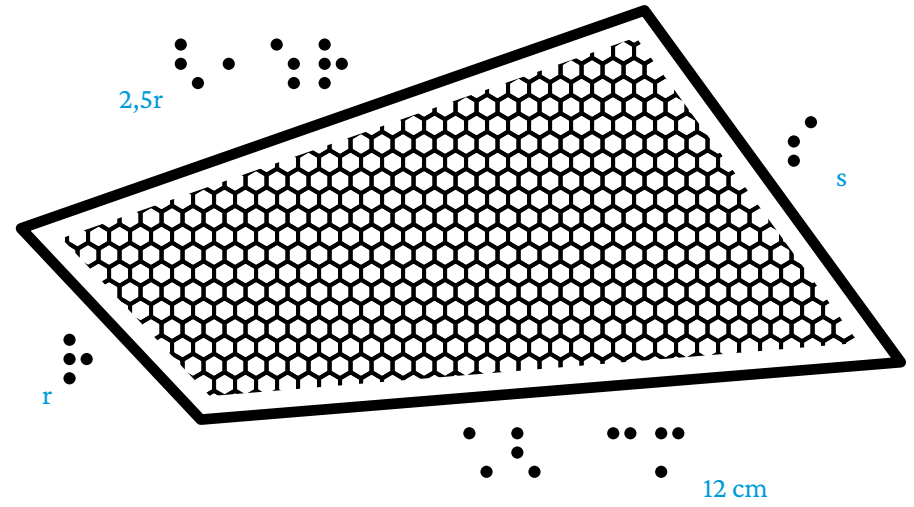


MVÜA3

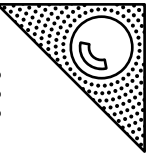
a)

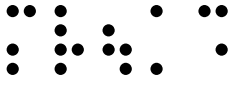


b)

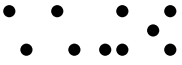


S.206 1107

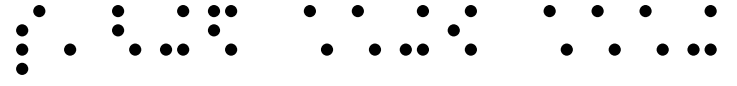




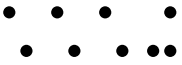
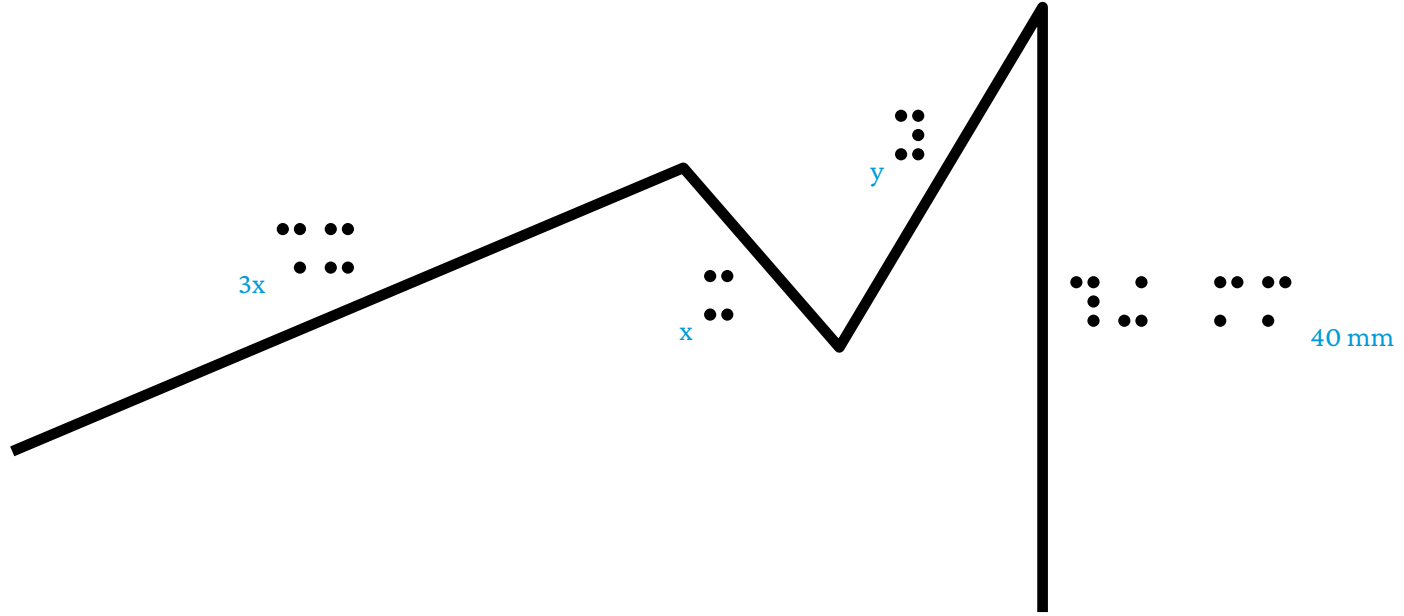
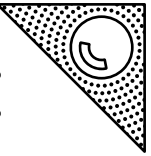
MVÜA3



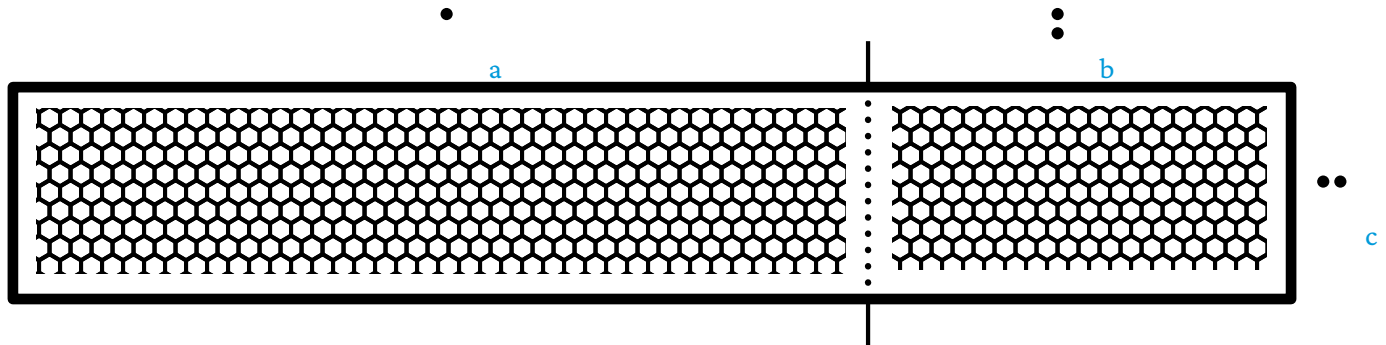
1109

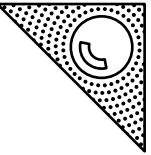


S.206 1109 1110

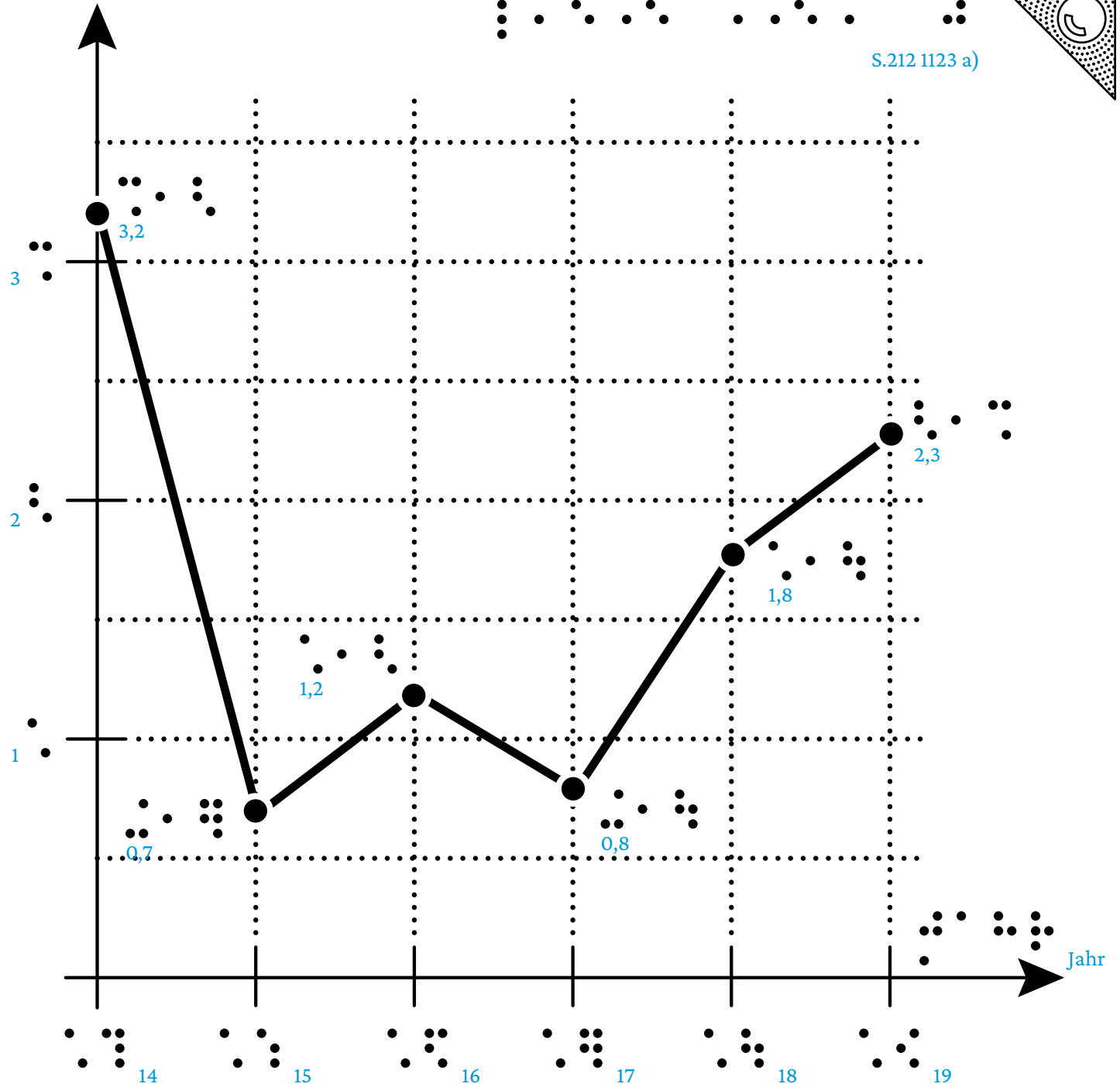


1110





Wirtschaftswachstum zum Vorjahr in %



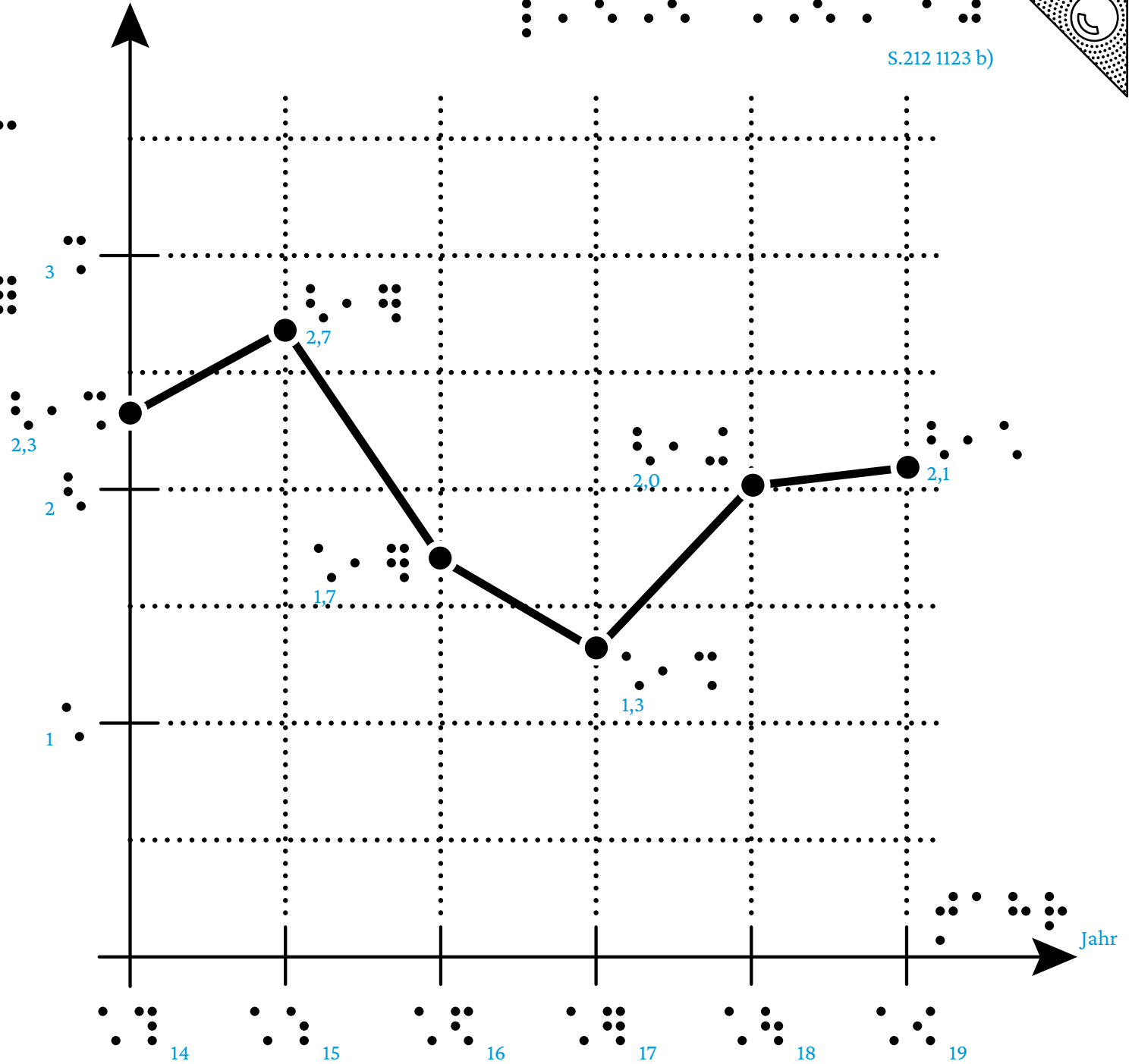
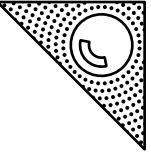
MVÜA3

Verbraucherpreise zum Vorjahr in %

Verbraucherpreise zum Vorjahr in %

Verbraucherpreise zum Vorjahr in %

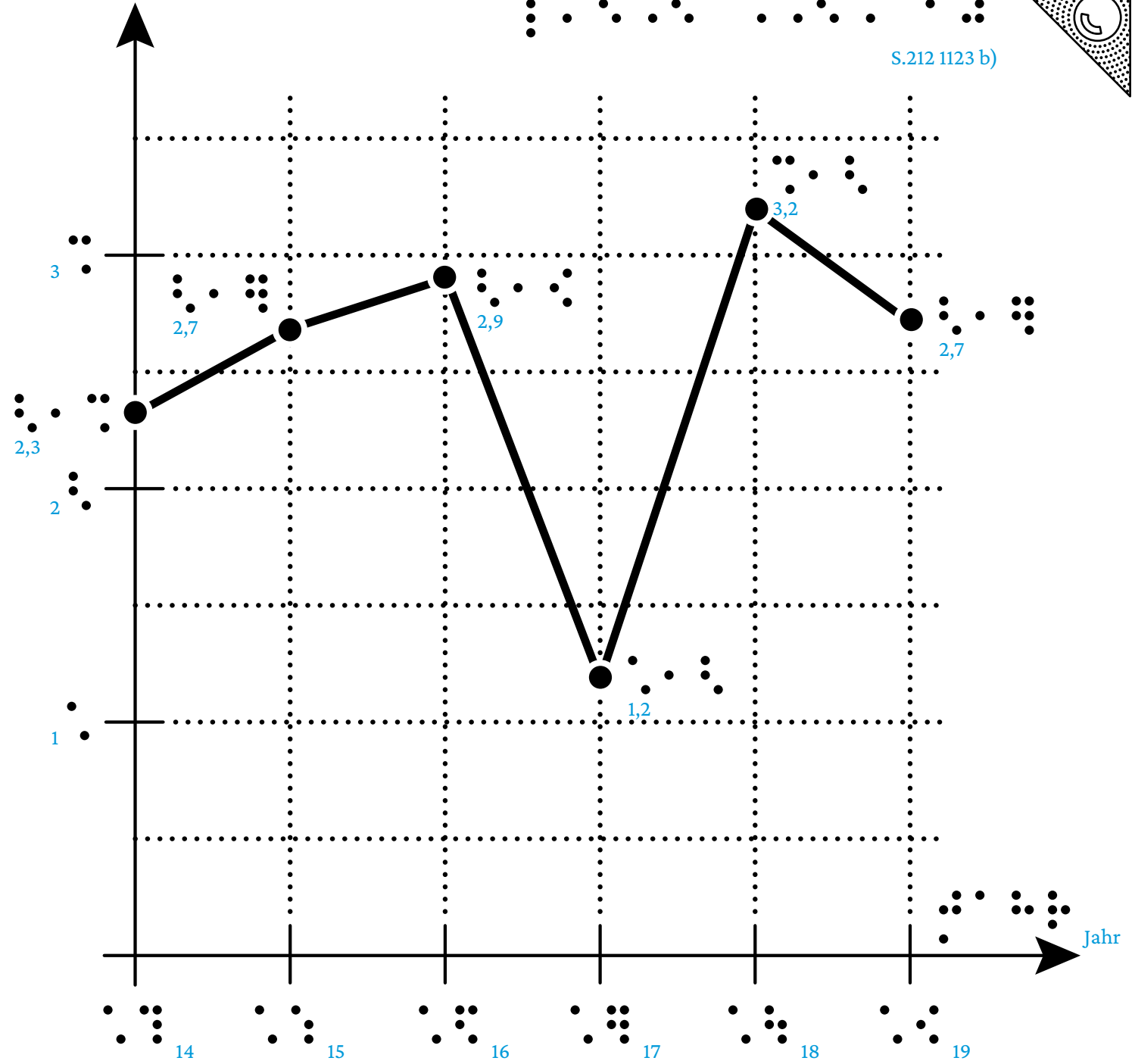
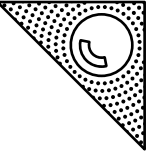
S.212 1123 b)

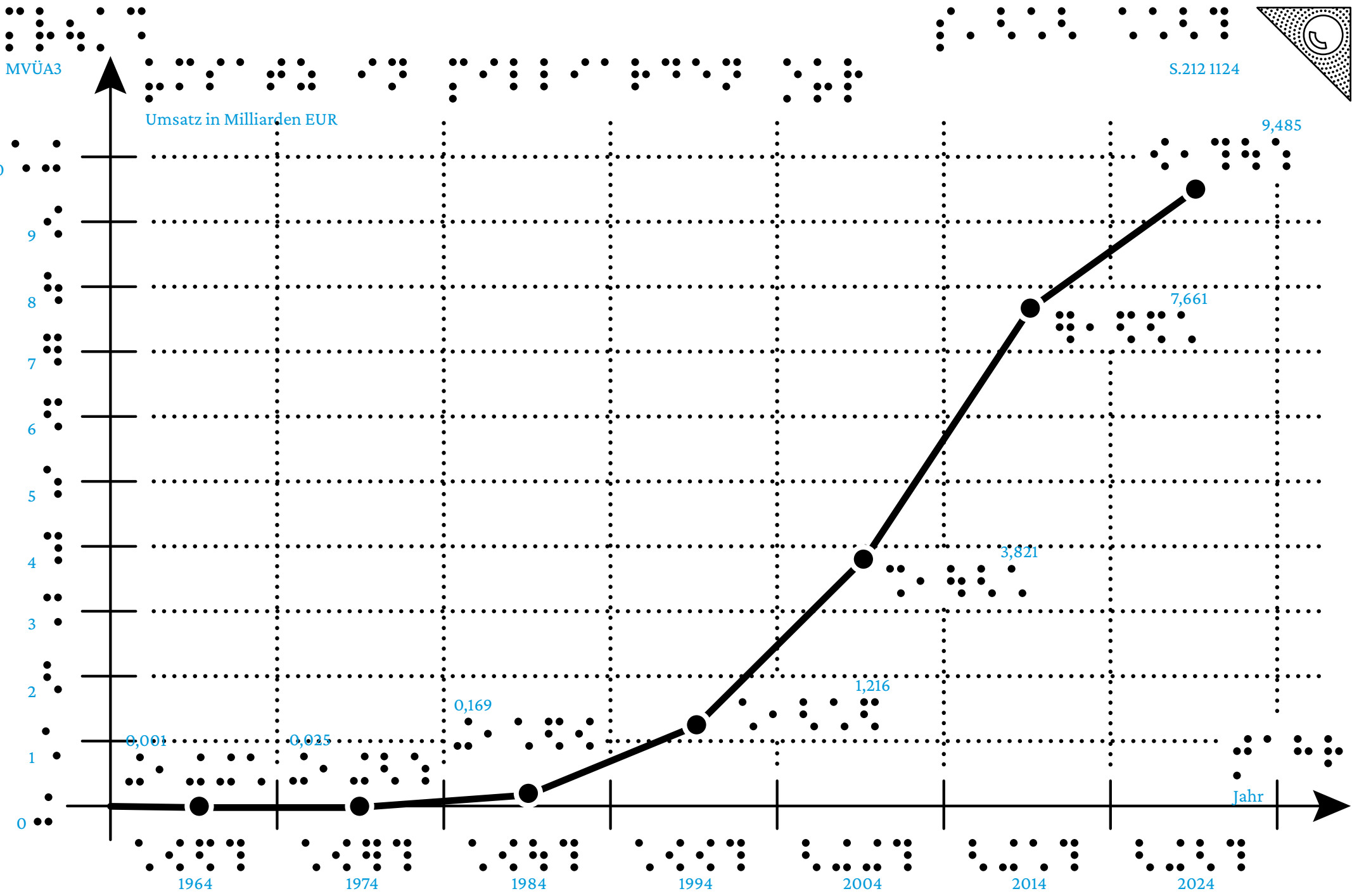


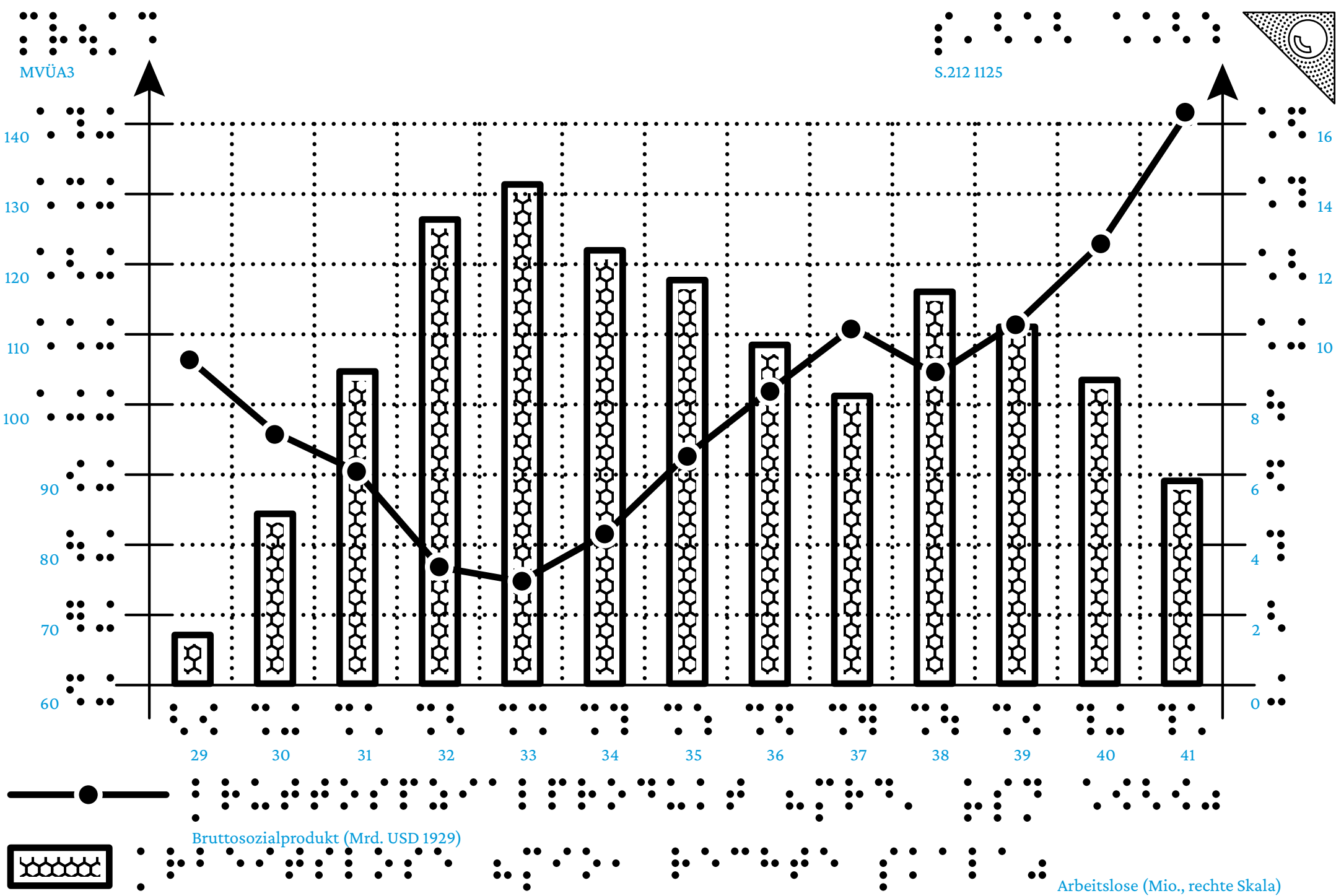
MVÜA3

Privater Konsum zum Vorjahr in %

S.212 1123 b)







MVÜA3

S.212 1125

140 16

130 14

120 12

110 10

100 8

90 6

80 4

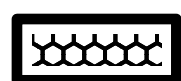
70 2

60 0

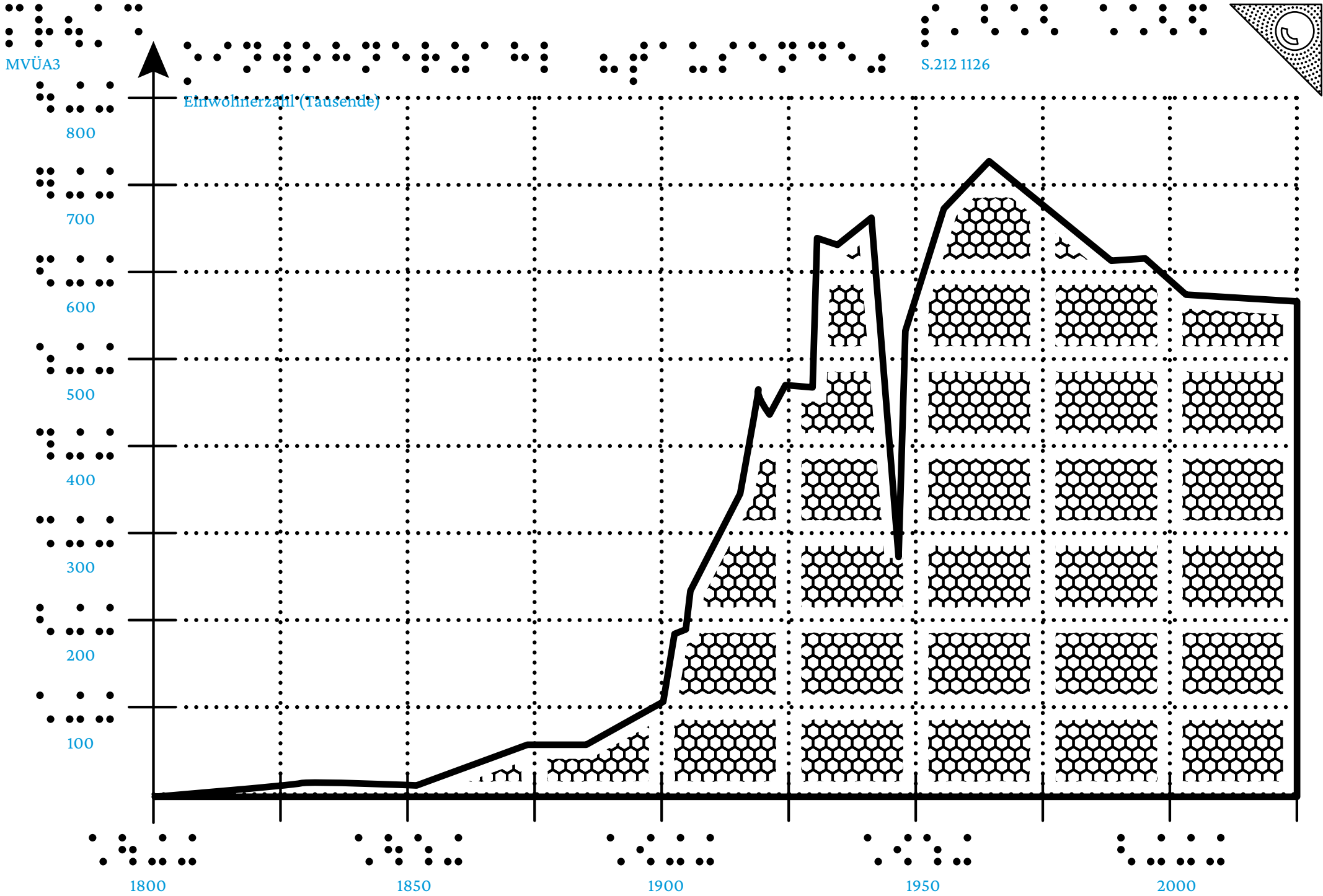
29 30 31 32 33 34 35 36 37 38 39 40 41



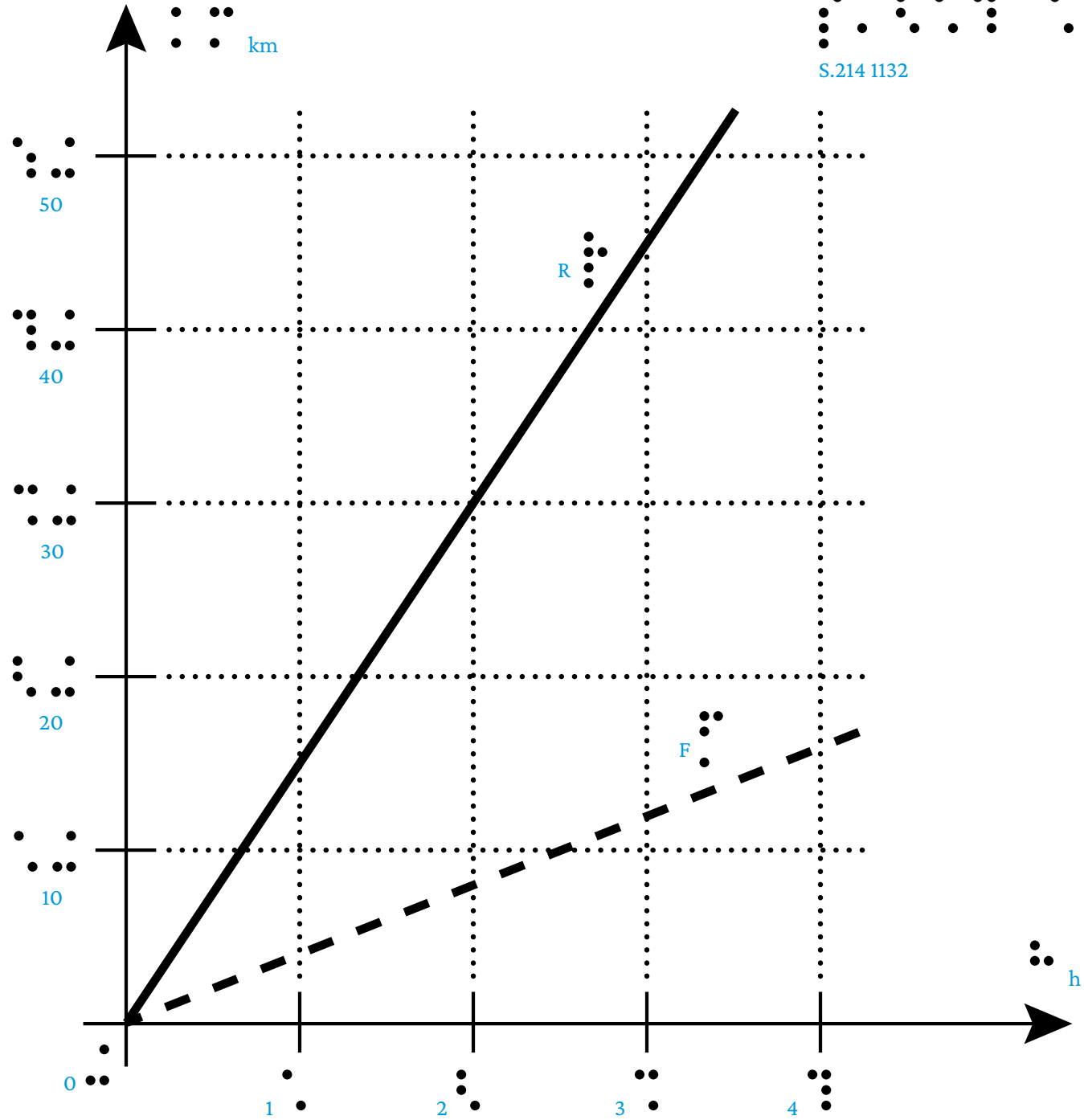
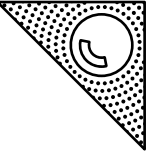
Bruttosozialprodukt (Mrd. USD 1929)

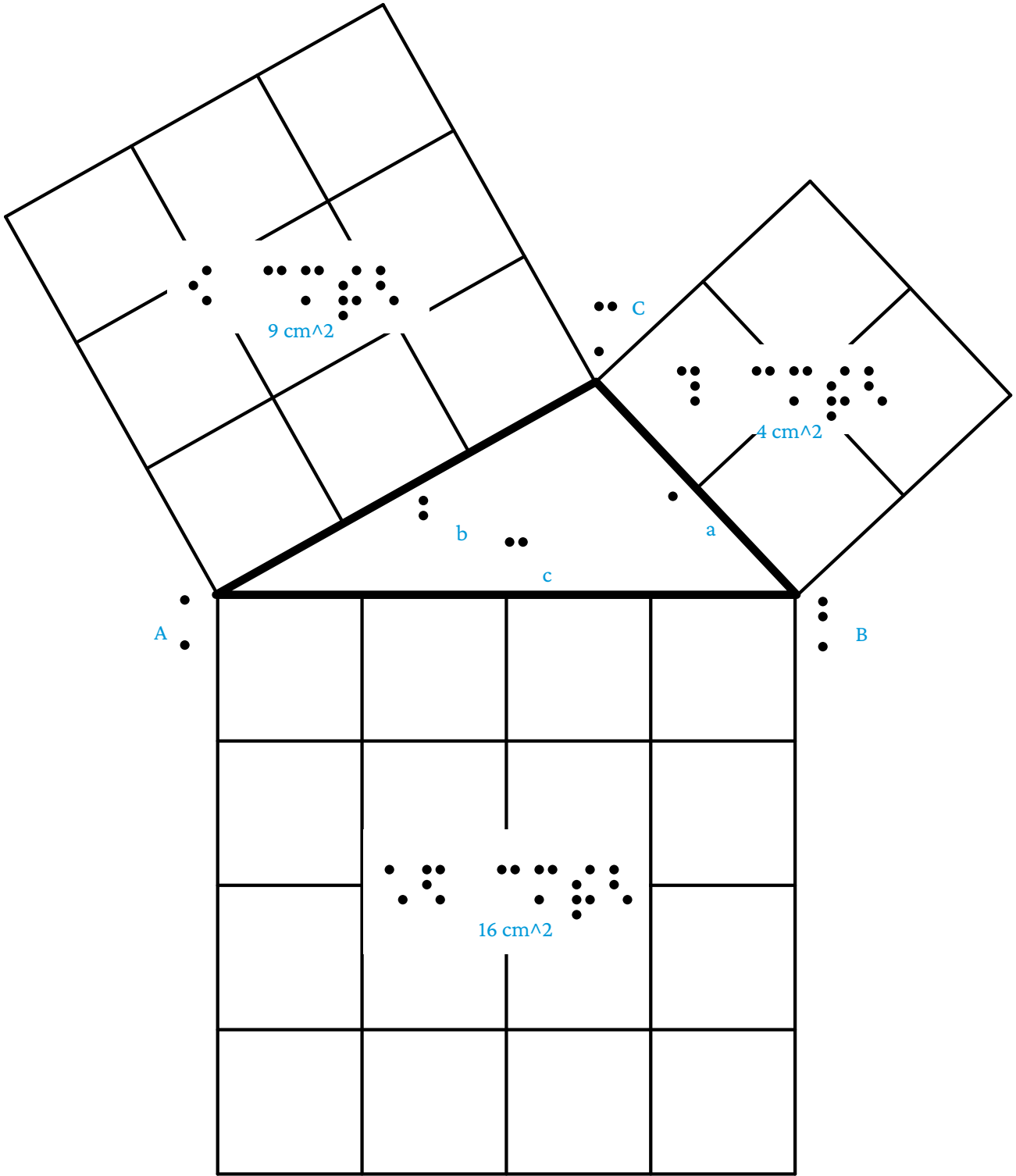
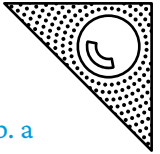
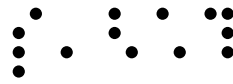
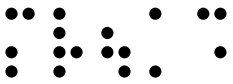


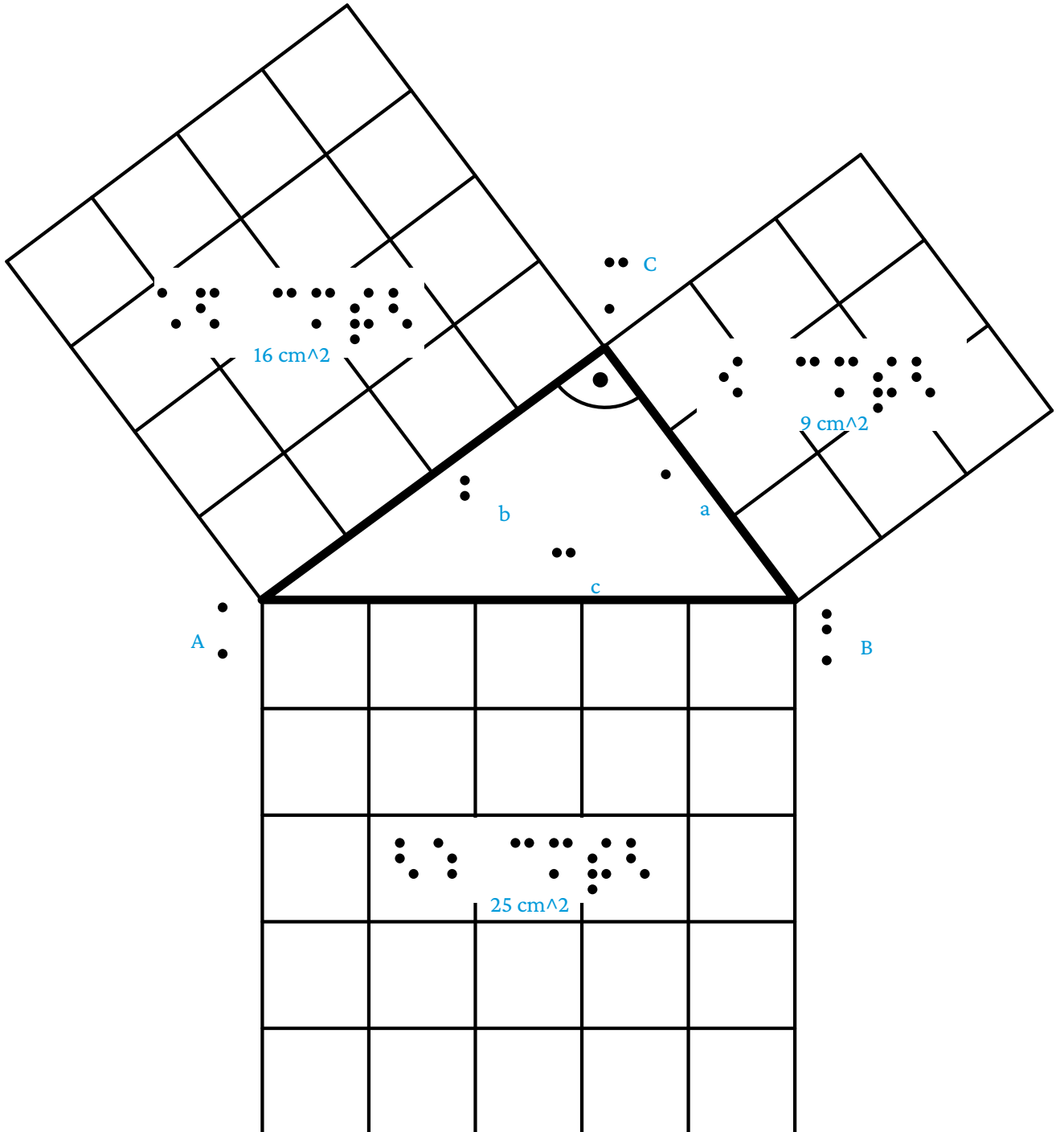
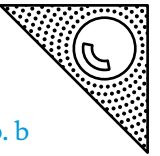
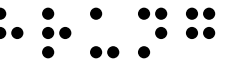
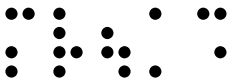
Arbeitslose (Mio., rechte Skala)





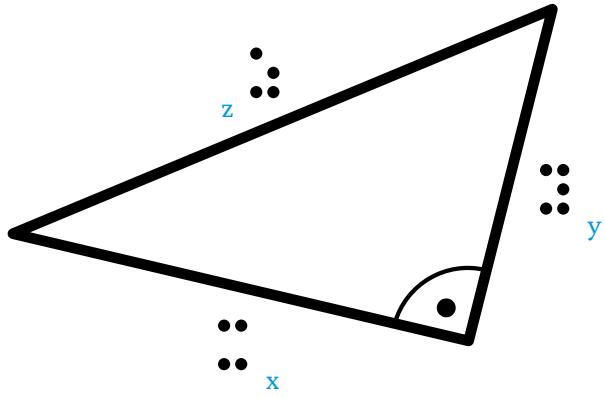




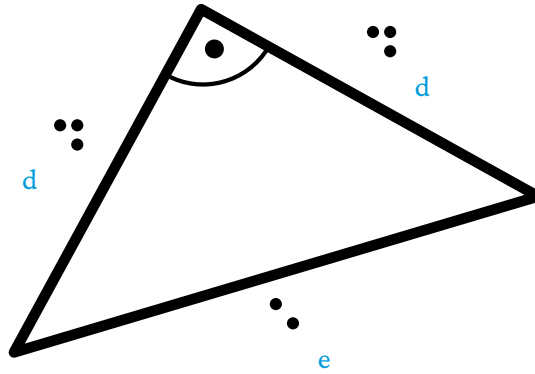


MVÜA3

a)

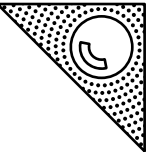
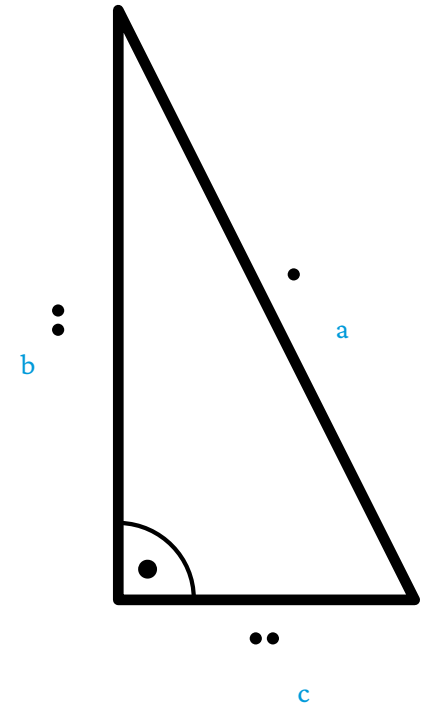


b)

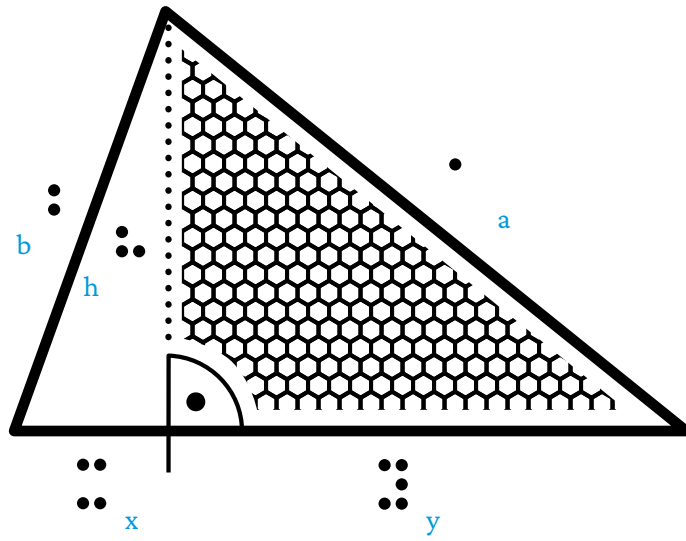


S.226 1159

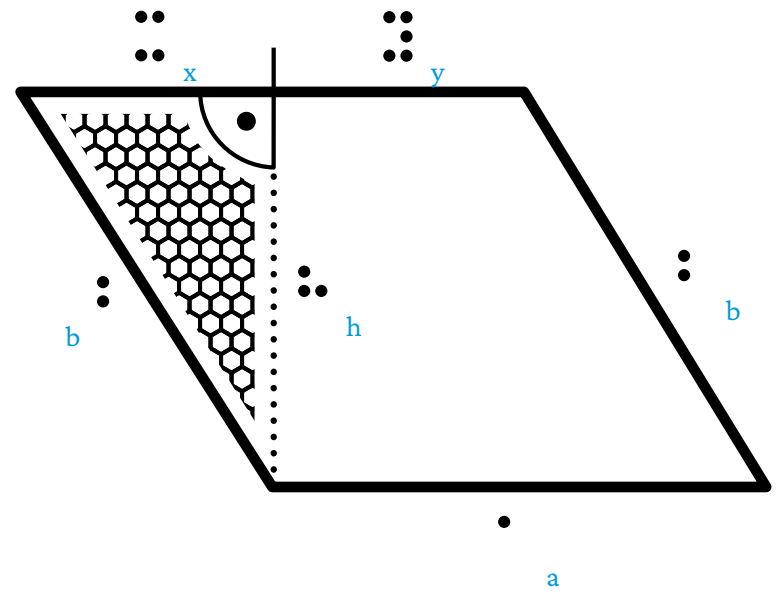
c)

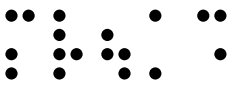


d)

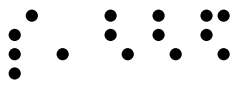


e)

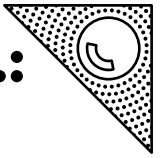




MVÜA3

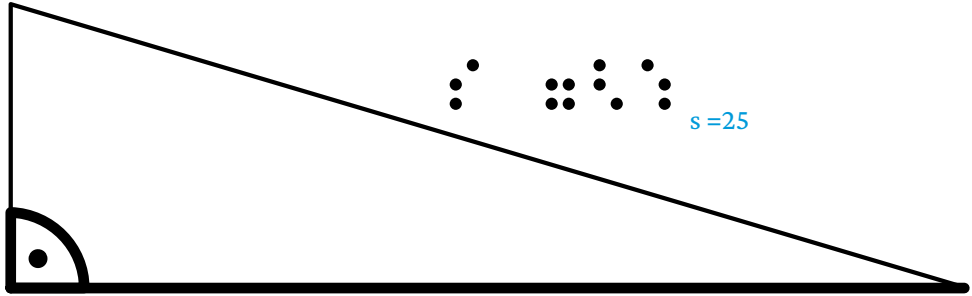
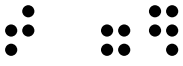


S.226 1160 a), b), c)



a)

t=7

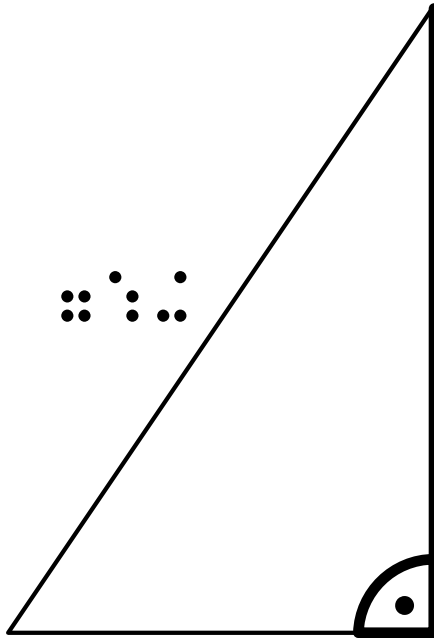


u



b)

p=50



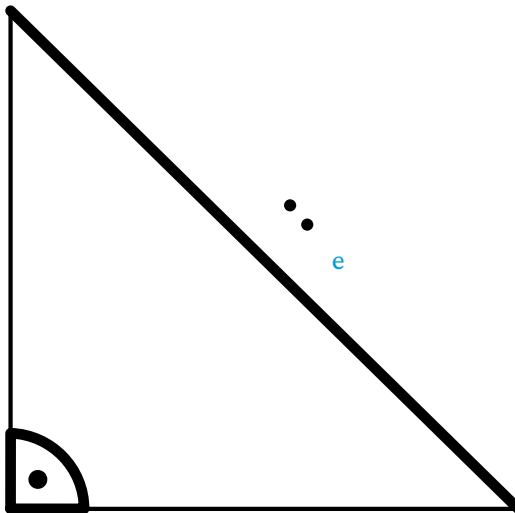
r

s=14



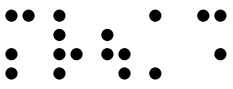
c)

d=3

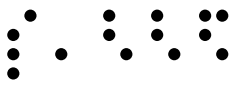


e

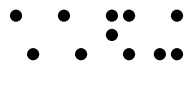
d=3



MVÜA3



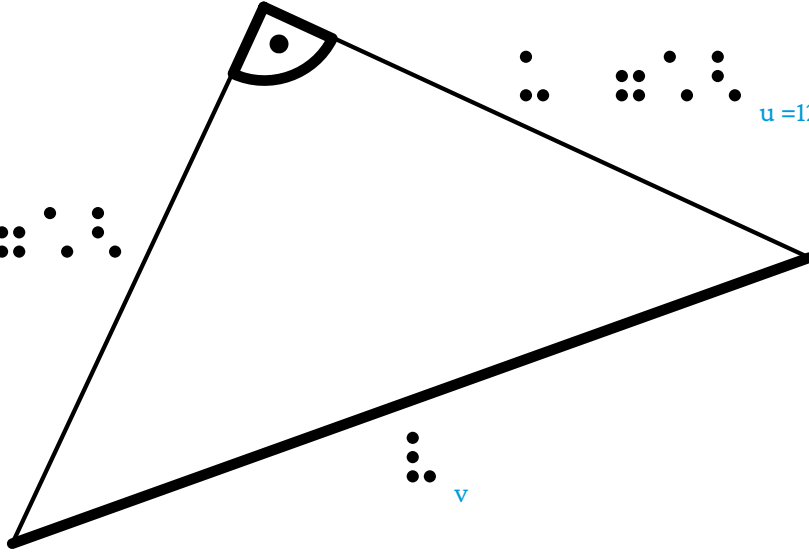
S.226 1160 d), e), Bs.



d)



u =12



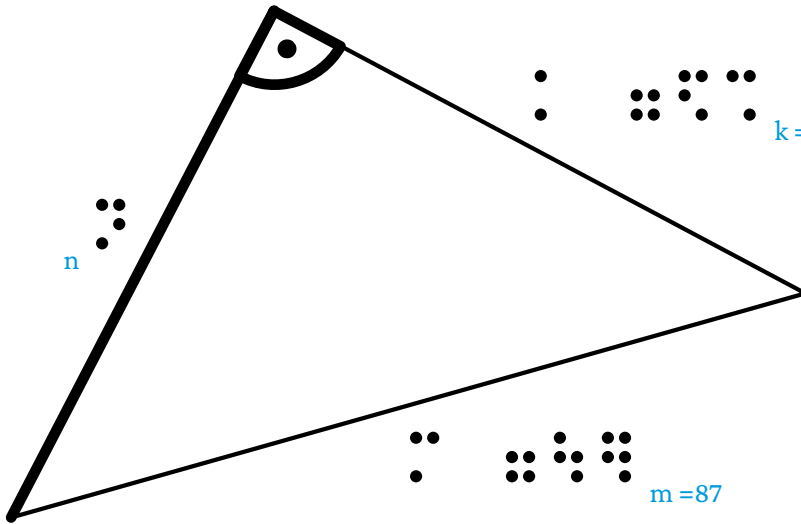
u =12

v



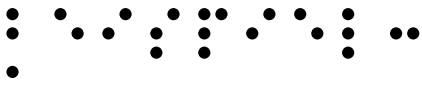
e)

n



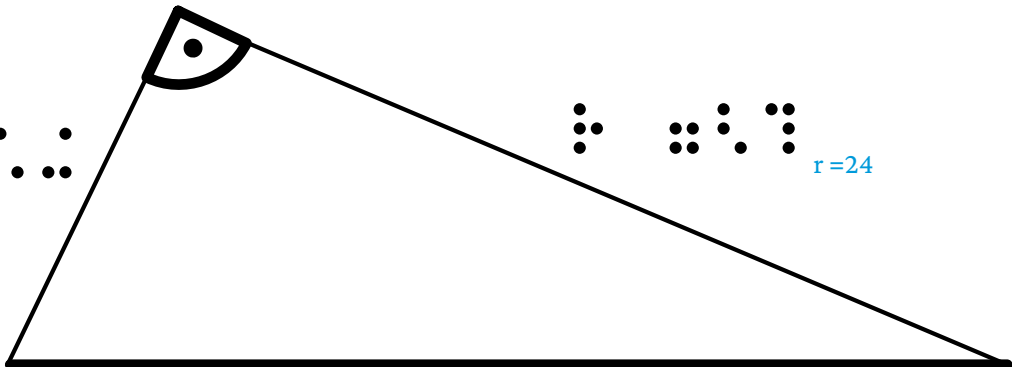
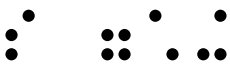
k =63

m =87



Beispiel:

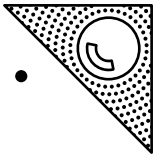
s =10

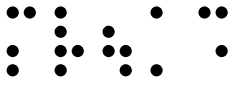


r =24



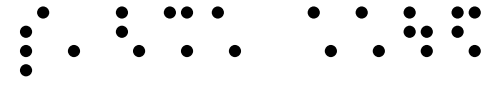
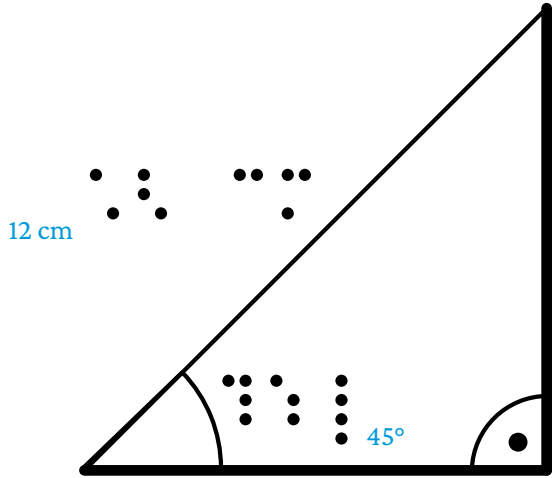
t





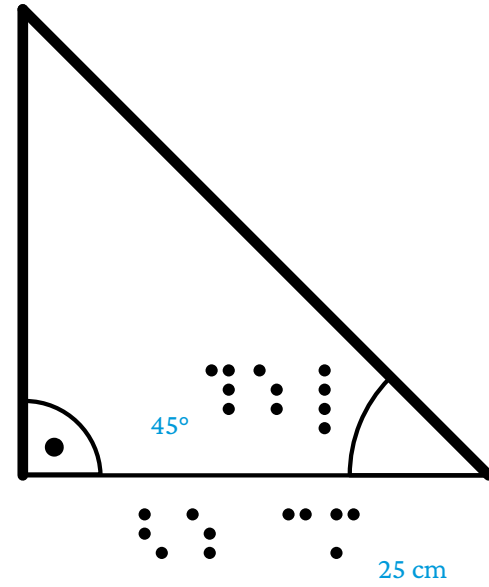
MVÜA3

a)

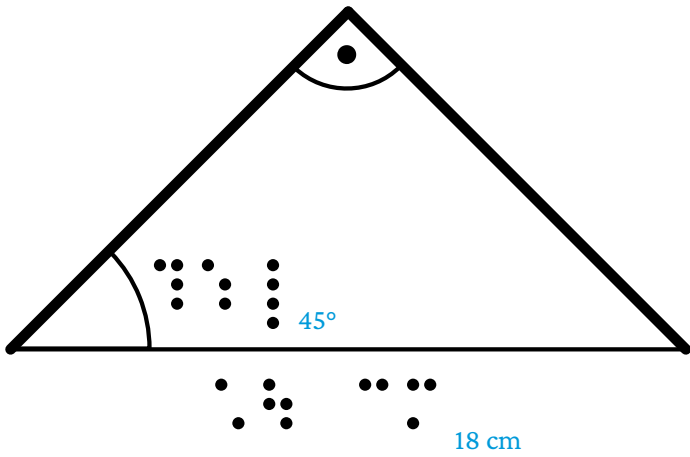


S.231 1186

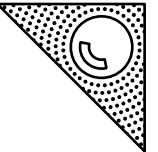
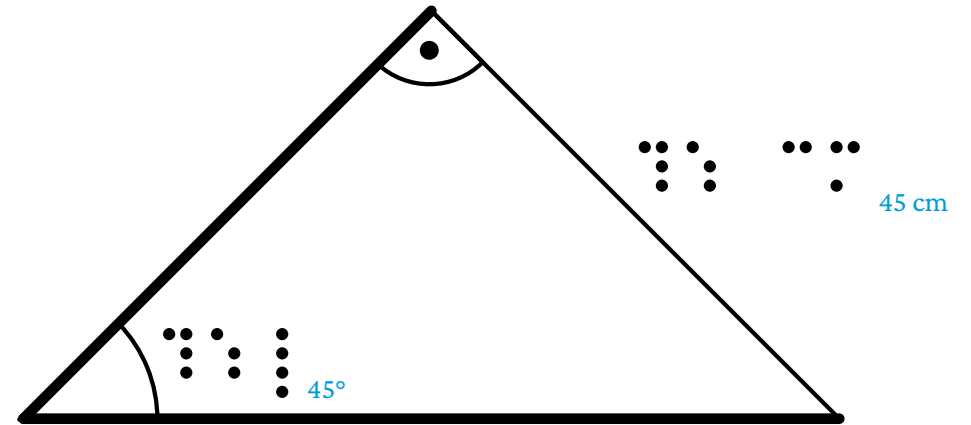
b)



c)

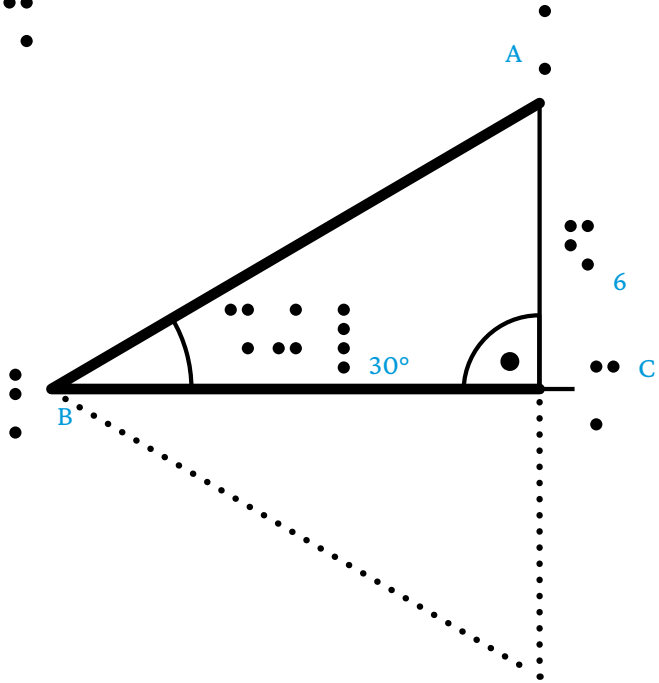


d)



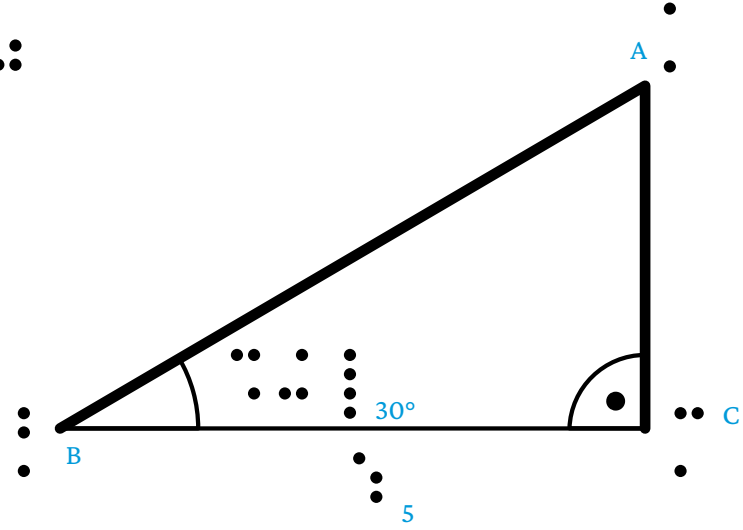
MVÜA3

a)

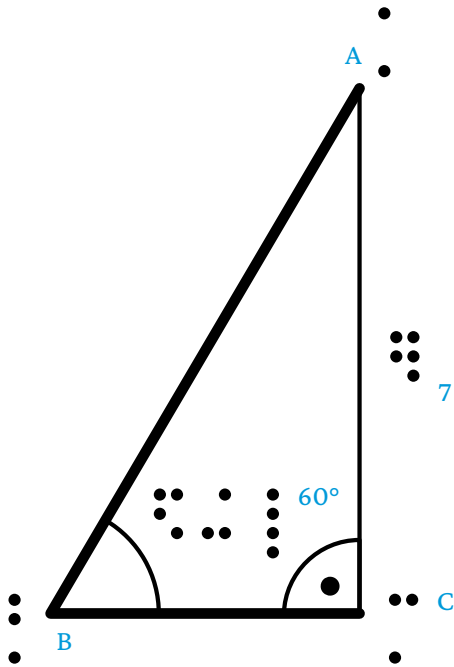


S.234 1198

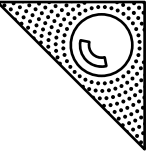
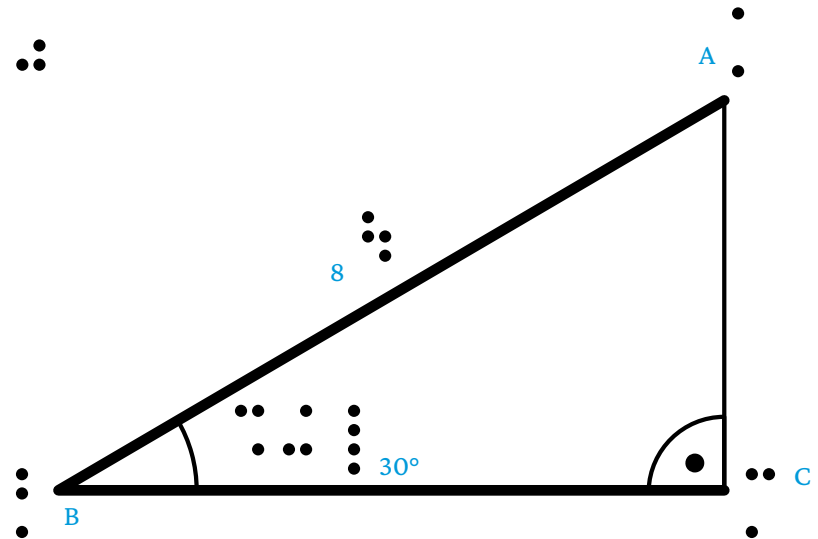
b)



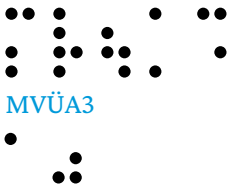
c)



d)



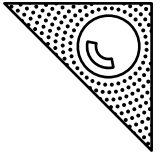




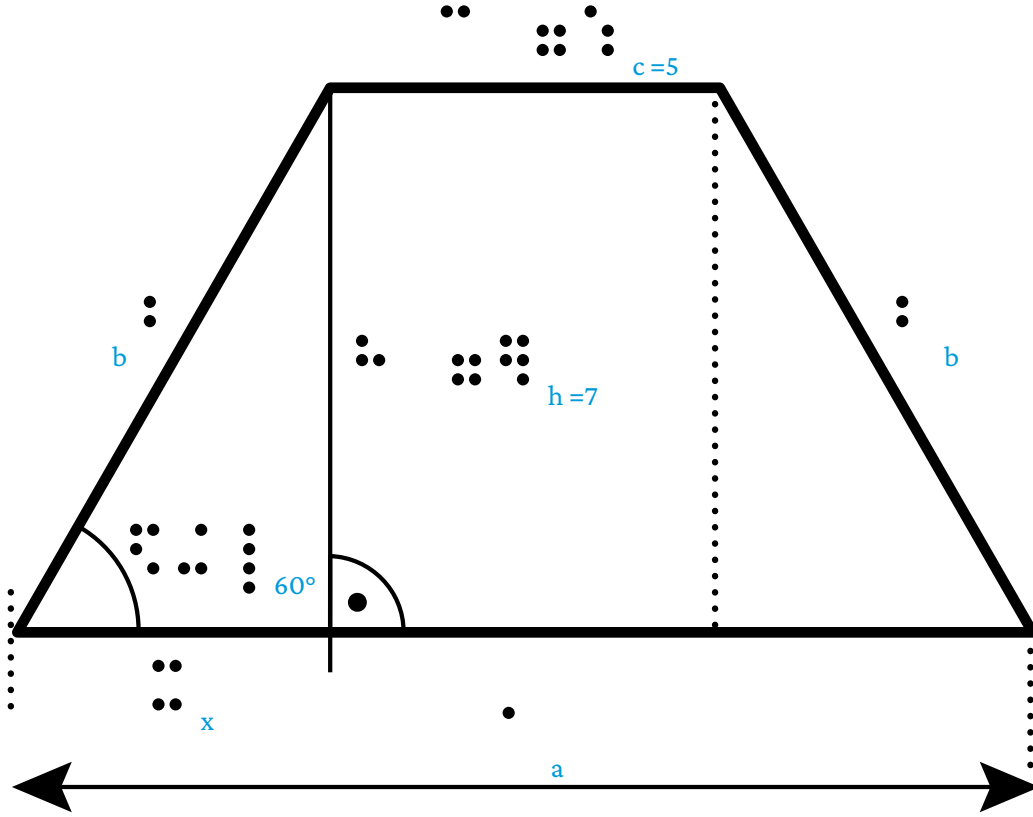
MVÜA3



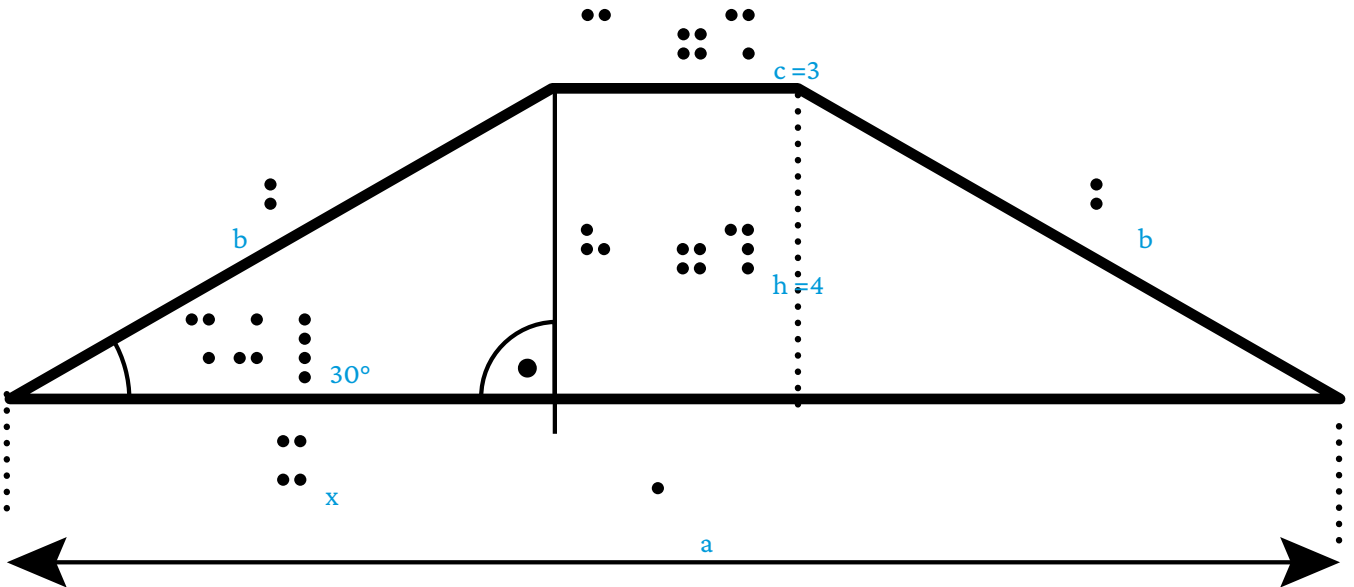
S.234 1199

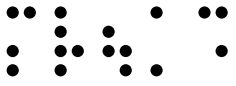


a)



b)

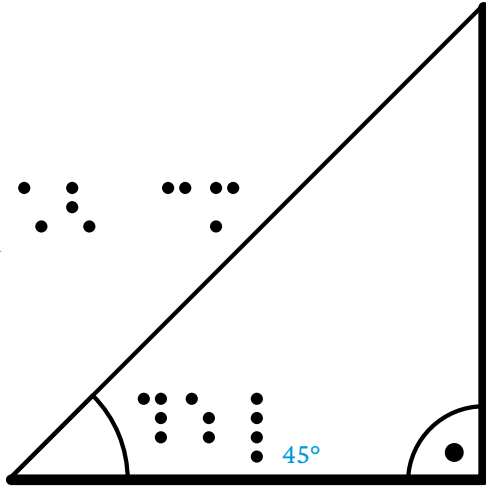




MVÜA3

a)

12 cm



45°

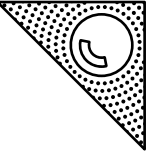
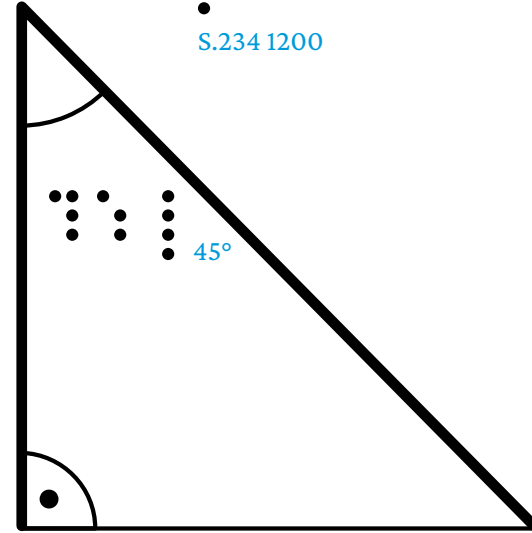


S.234 1200

b)

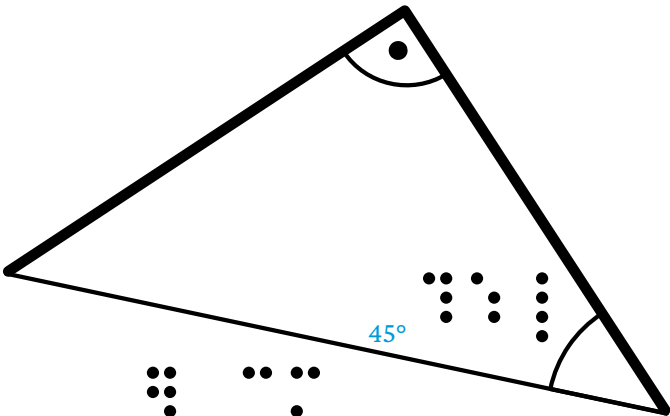
45°

25 cm



c)

7 cm



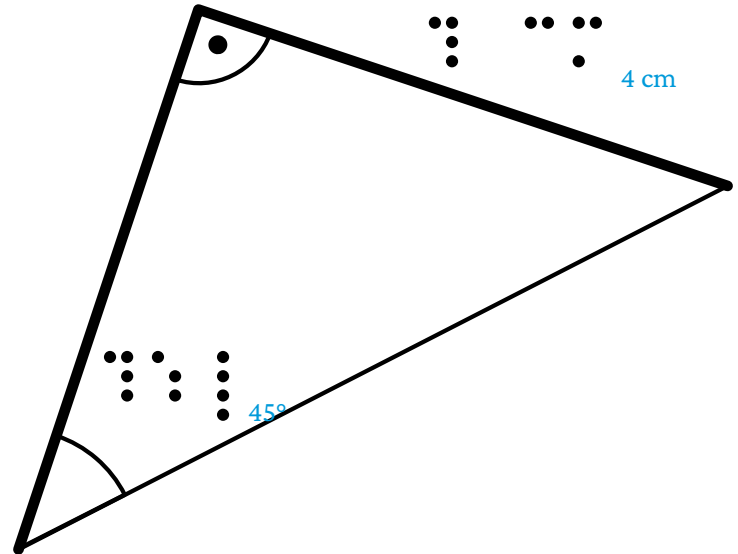
45°

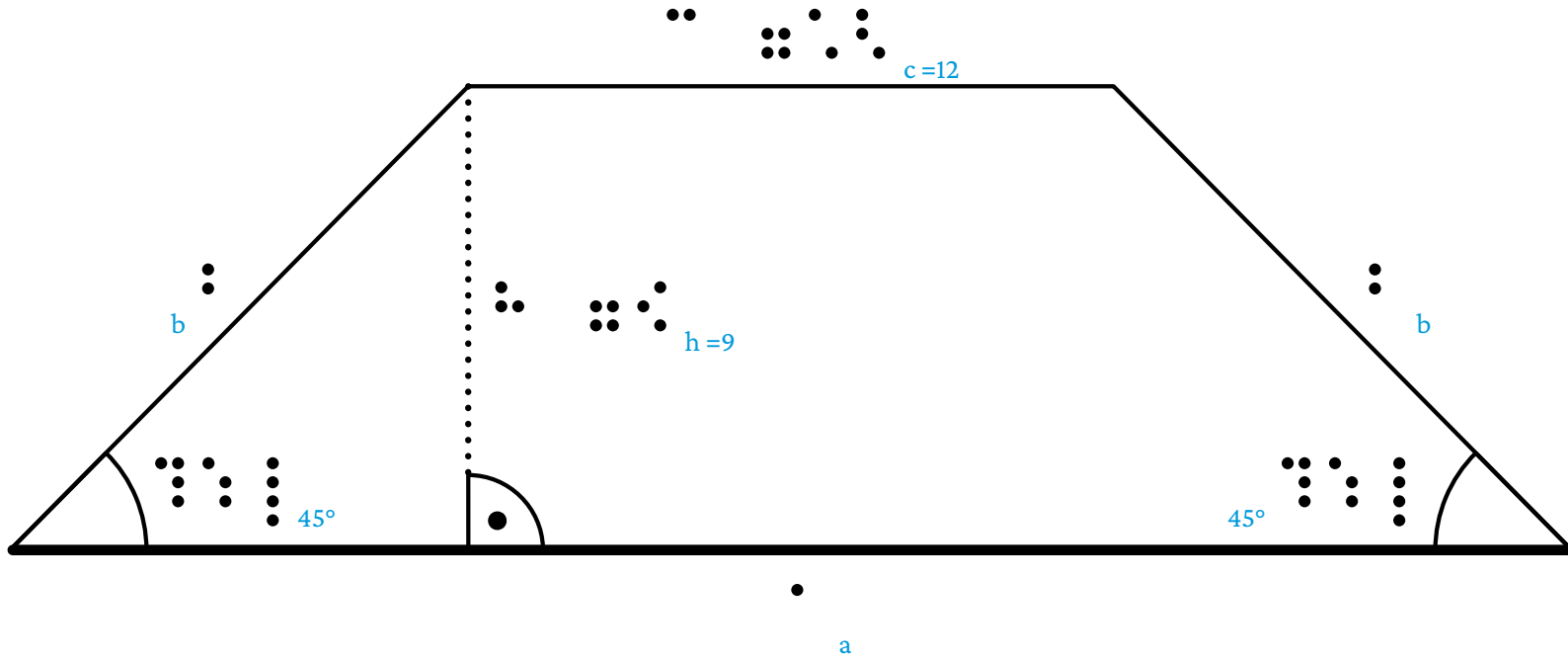
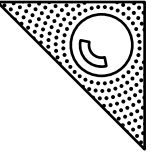


d)

4 cm

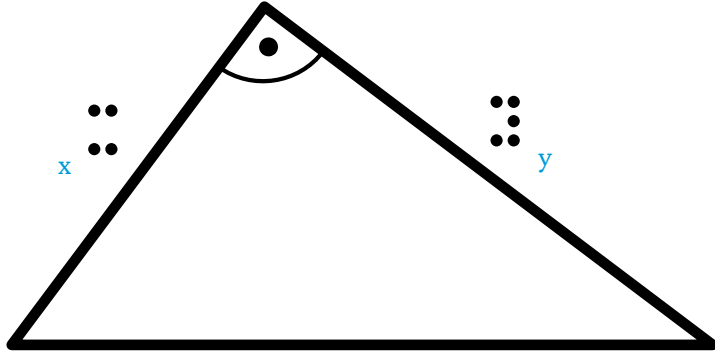
45°



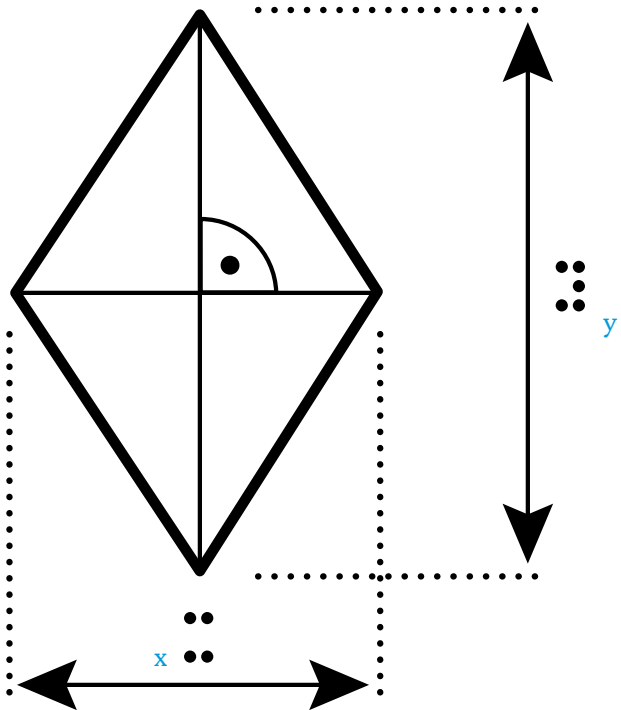


MVÜA3

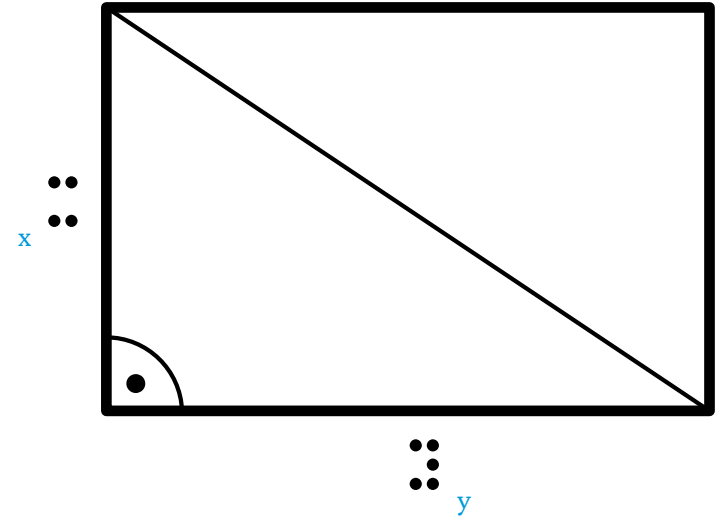
1)



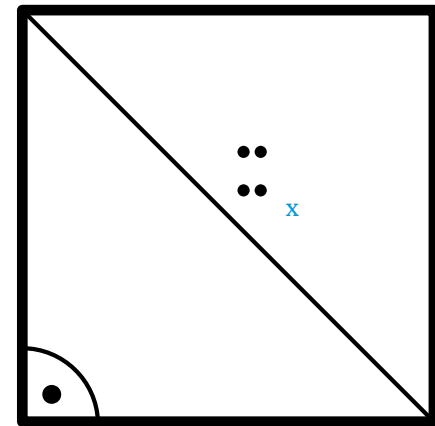
3)



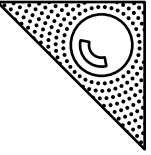
2)

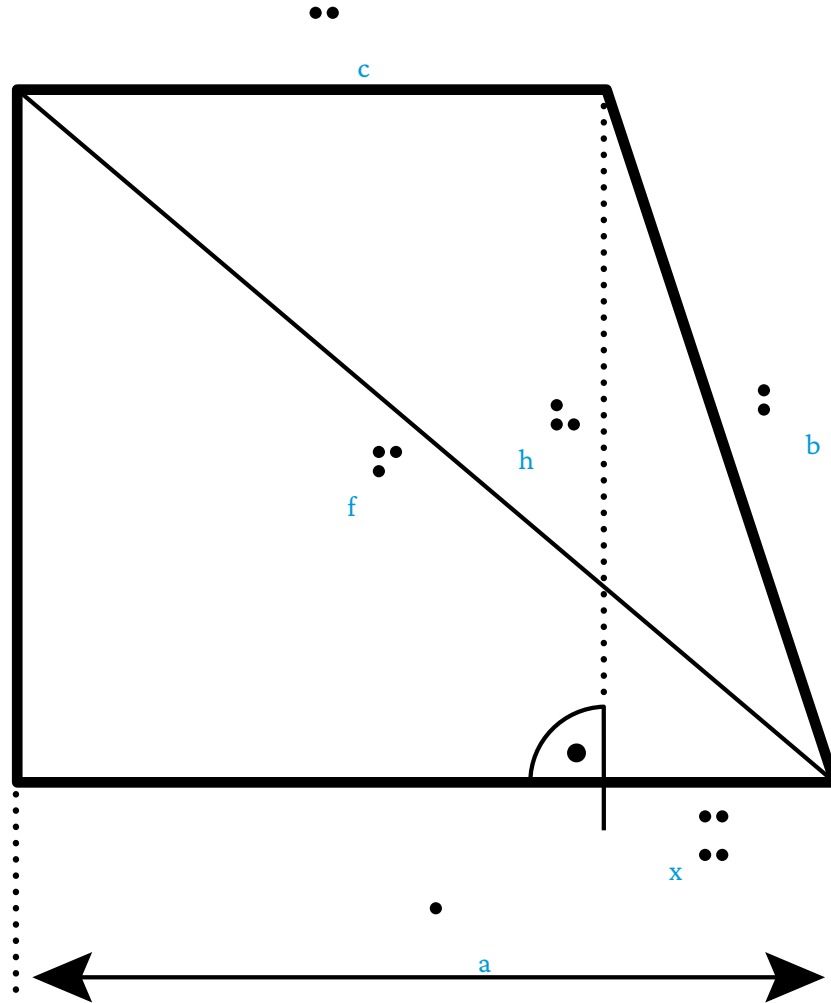
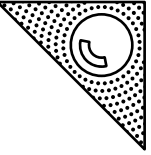


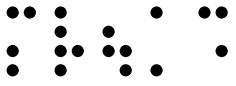
4)



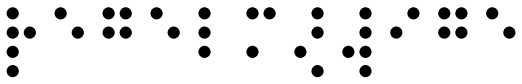
S.236 1210



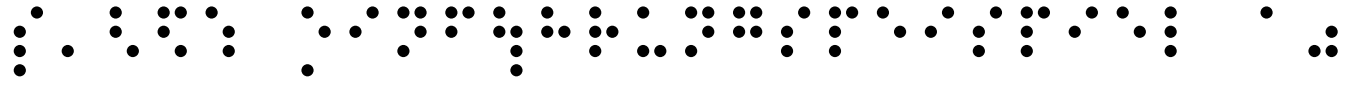




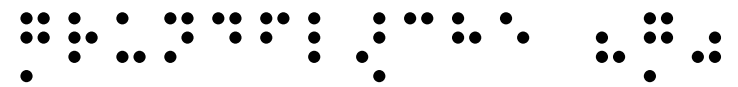
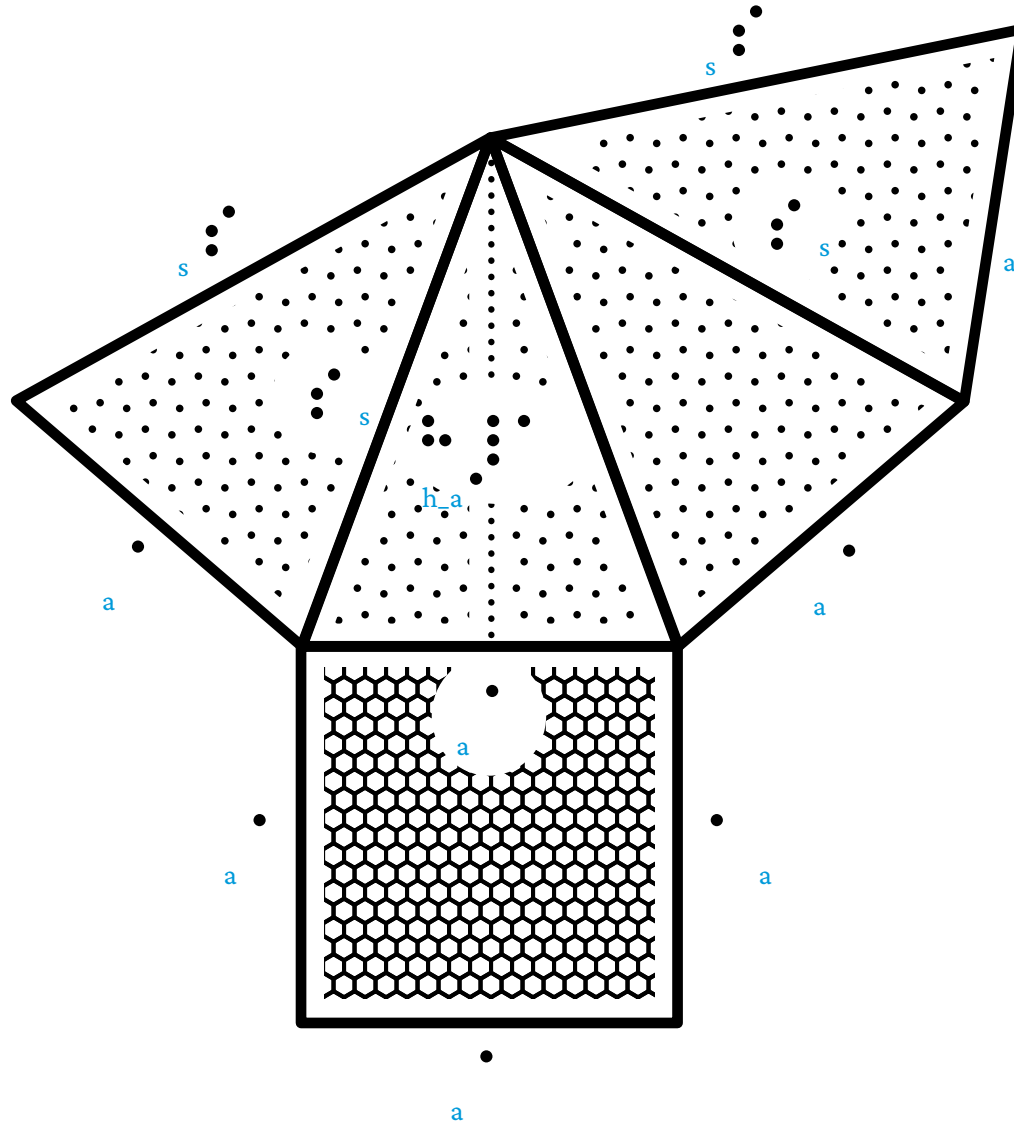
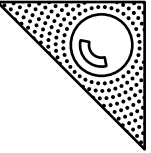
MVÜA3



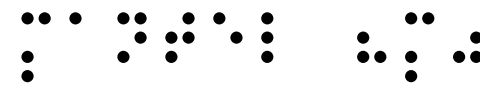
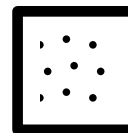
Regelmäßige vierseitige Pyramide



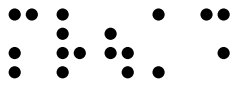
S.265 Einführungsbeispiel a)



Grundfläche (G)

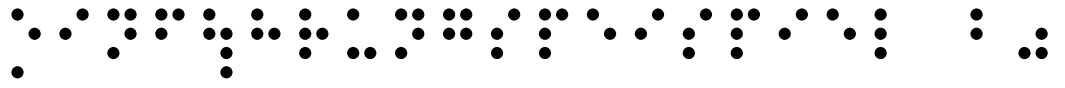


Mantel (M)

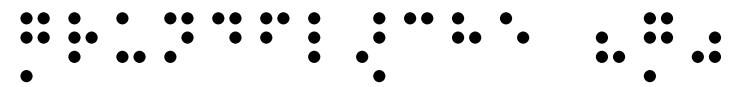
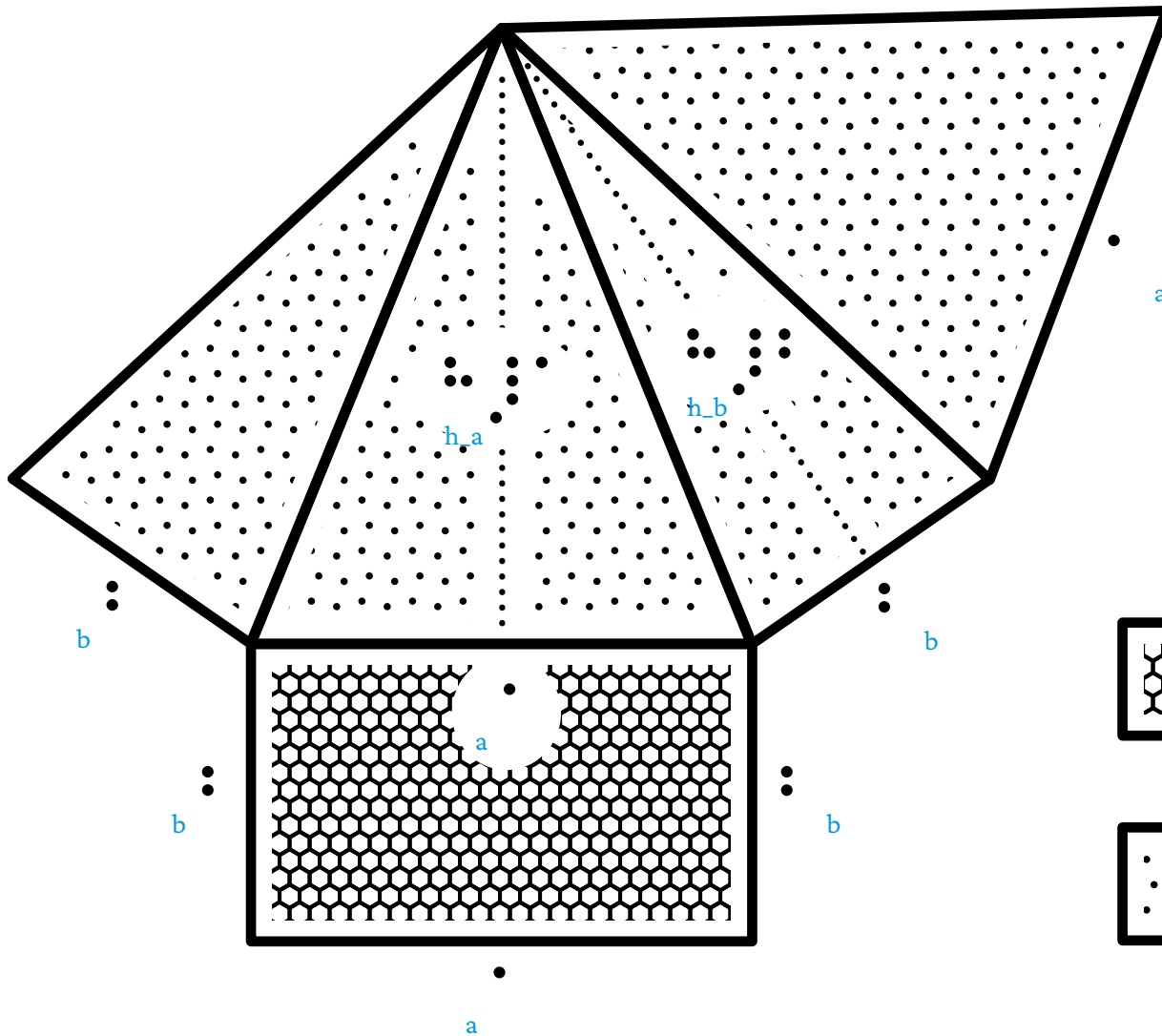
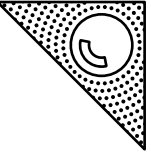


MVÜA3

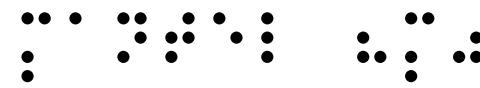
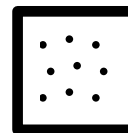
Gerade rechteckige Pyramide



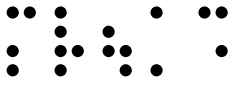
S.265 Einführungsbeispiel b)



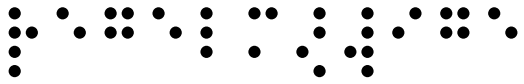
Grundfläche (G)



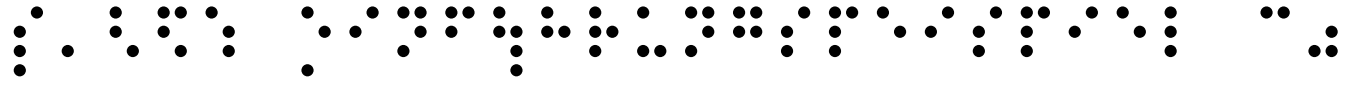
Mantel (M)



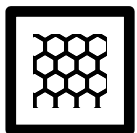
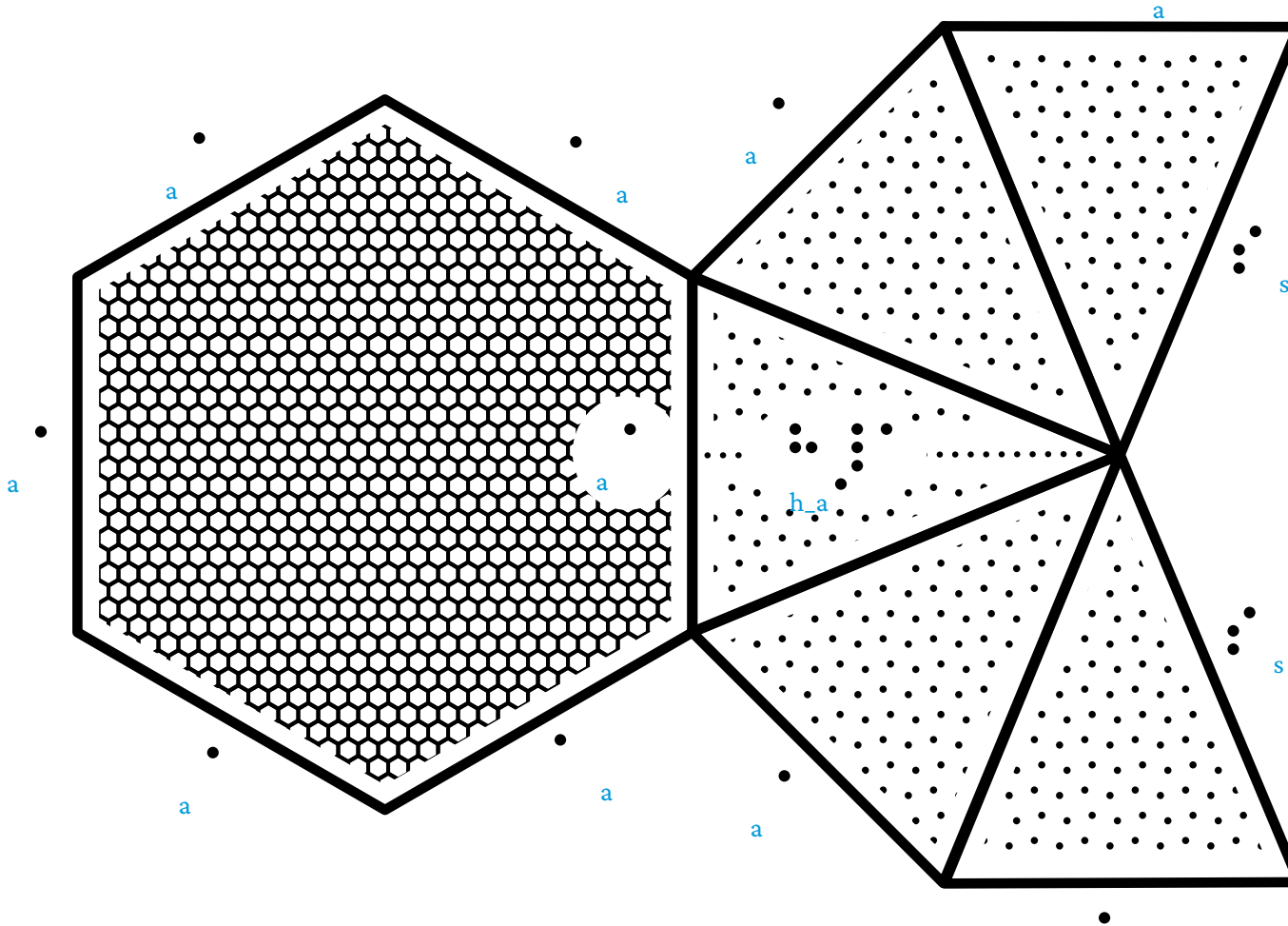
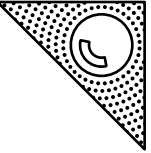
MVÜA3



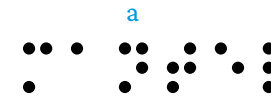
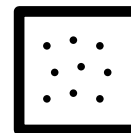
Regelmäßige sechseckige Pyramide



S.265 Einführungsbeispiel c)



Grundfläche (G)



Mantel (M)

