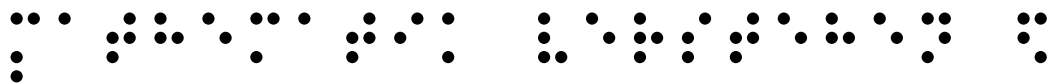


Mathematik verstehen 6



Grafiken: Tomáš Batha

Hergestellt von der Abteilung für Inklusion und Lehrmittel am Bundes-Blindeninstitut Wien,
Wittelsbachstraße 5, 1020 Wien, Tel.: 01/728 08 66-405, 406, lmz@bbi.at, www.bbi.at

Mathematik verstehen 6

Mathematik verstehen 6

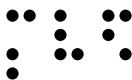
Kapitel 2 - Ungleichungen

Kapitel 2 - Ungleichungen

Mathematik verstehen 6

2

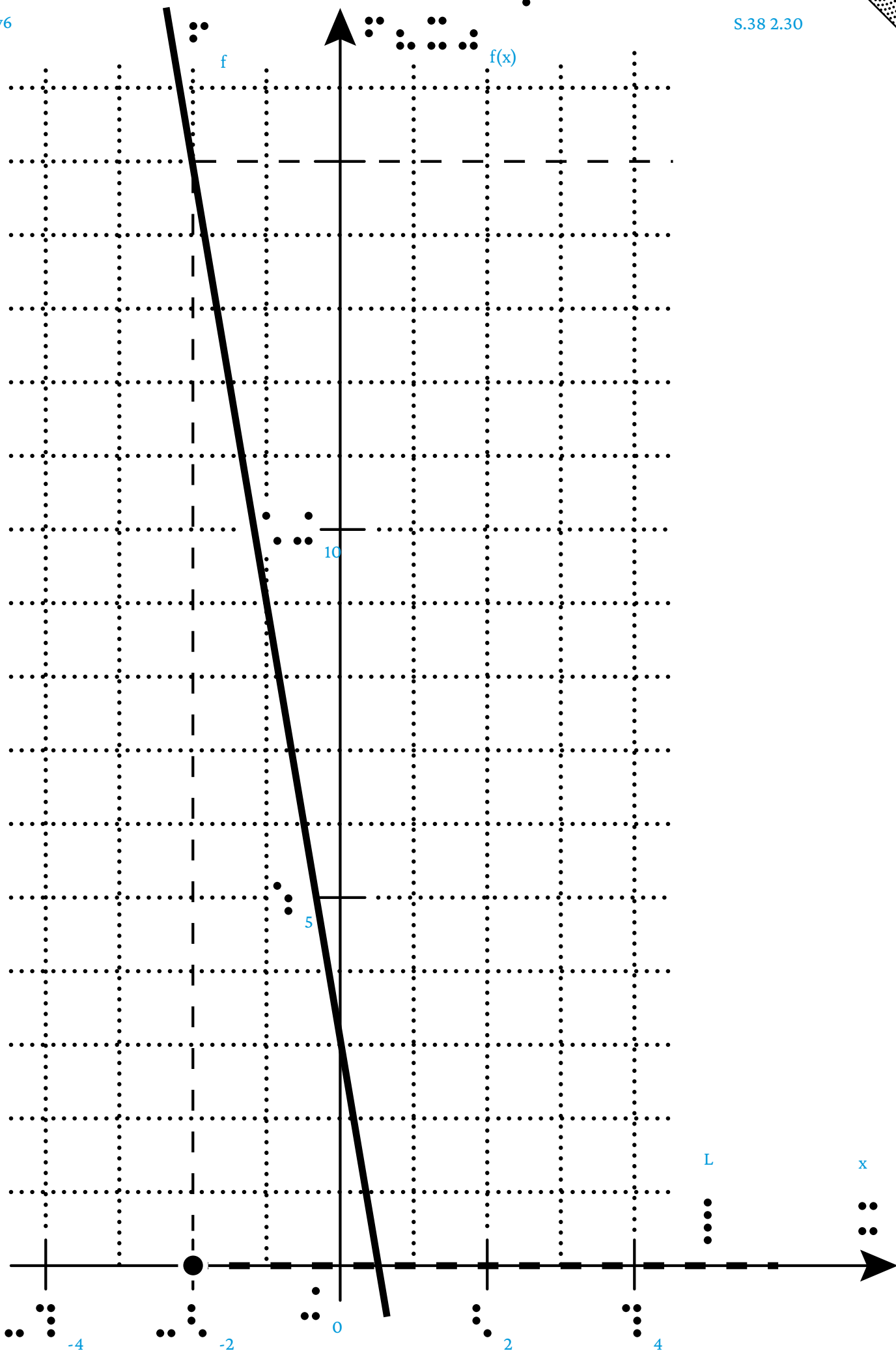
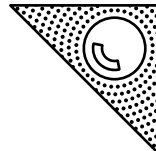
Ungleichungen



Mv6



S.38 2.30



Mathematik verstehen 6

Mathematik verstehen 6

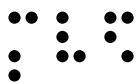
Kapitel 3 - Reele Funktionen

Kapitel 3 - Reele Funktionen

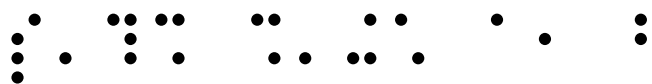
Mathematik verstehen 6

3

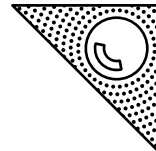
Reele Funktionen



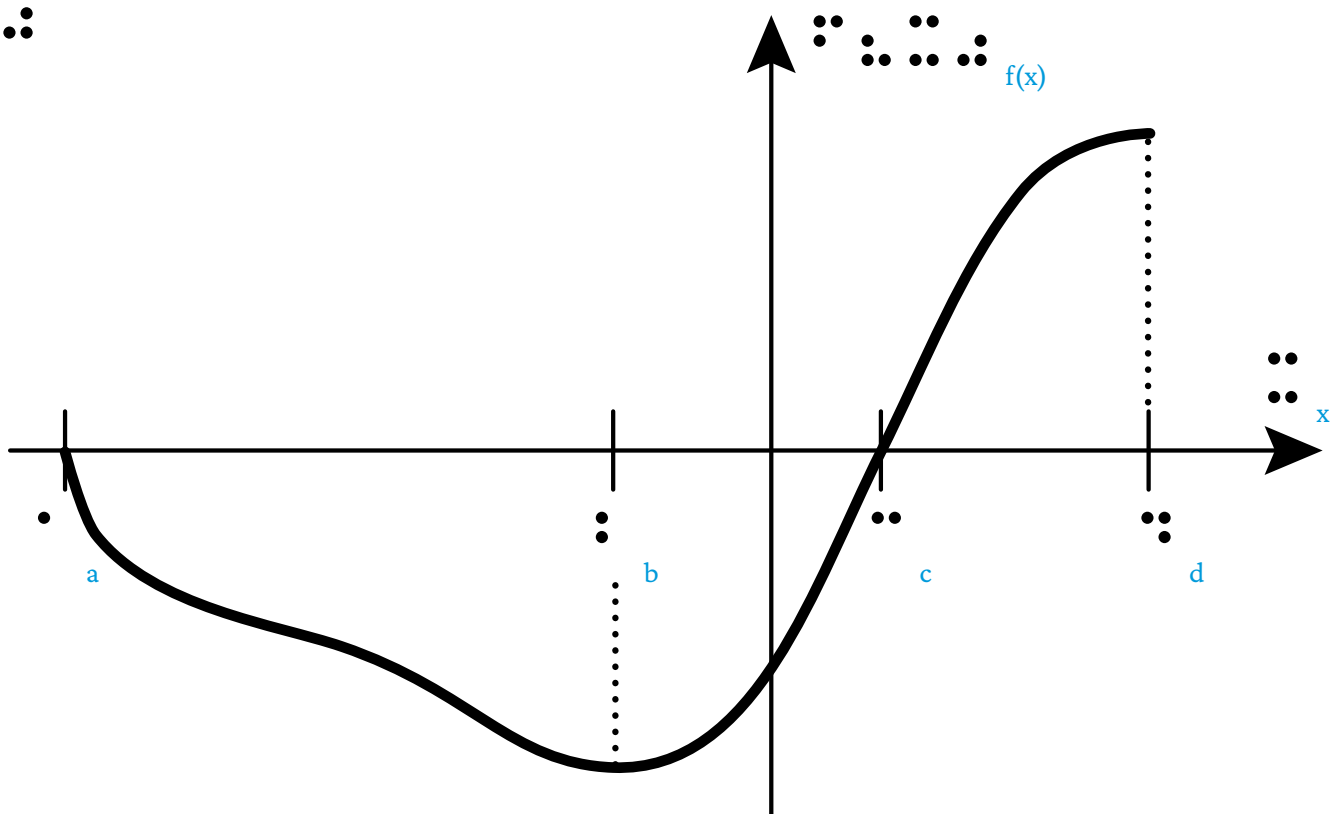
Mv6



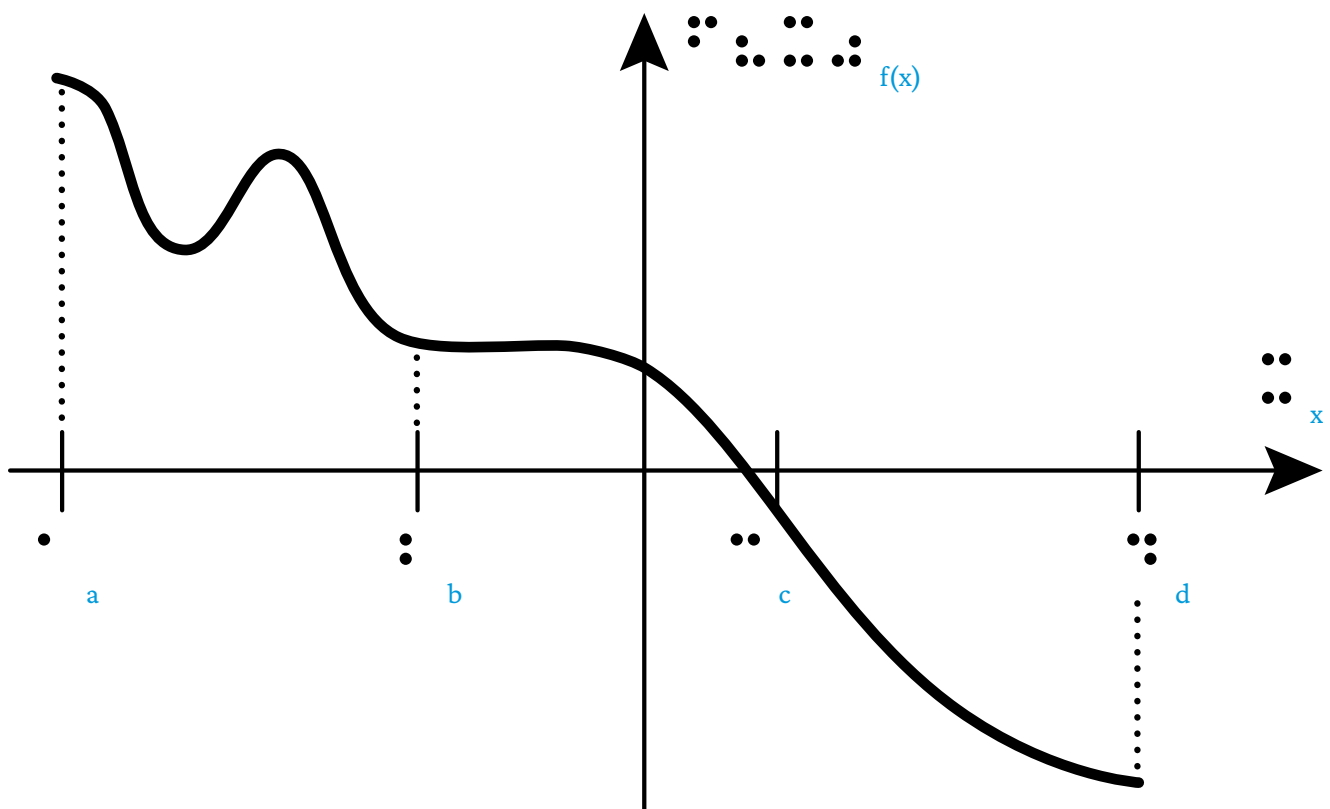
S.43 3.01 a, b

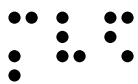


a)

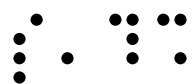


b)

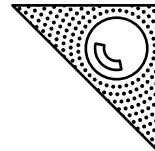




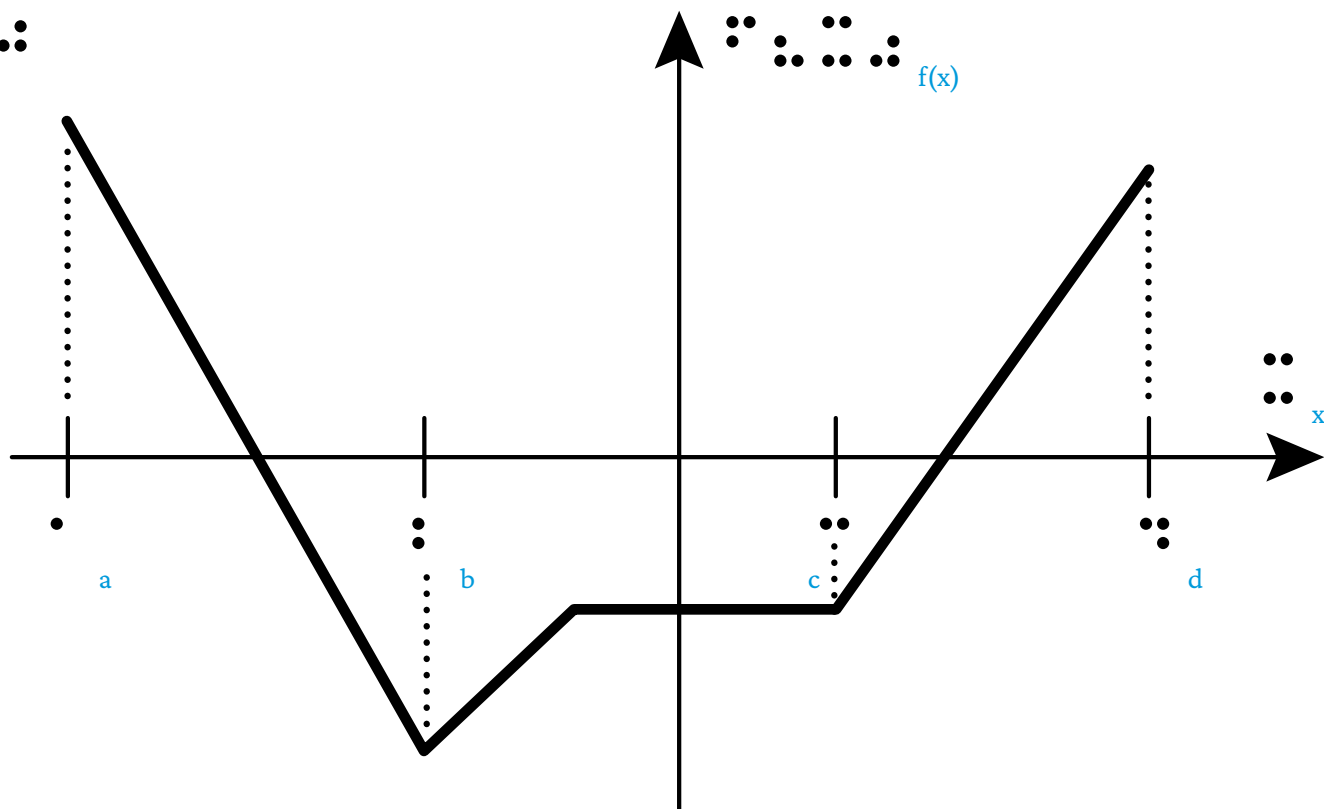
Mv6



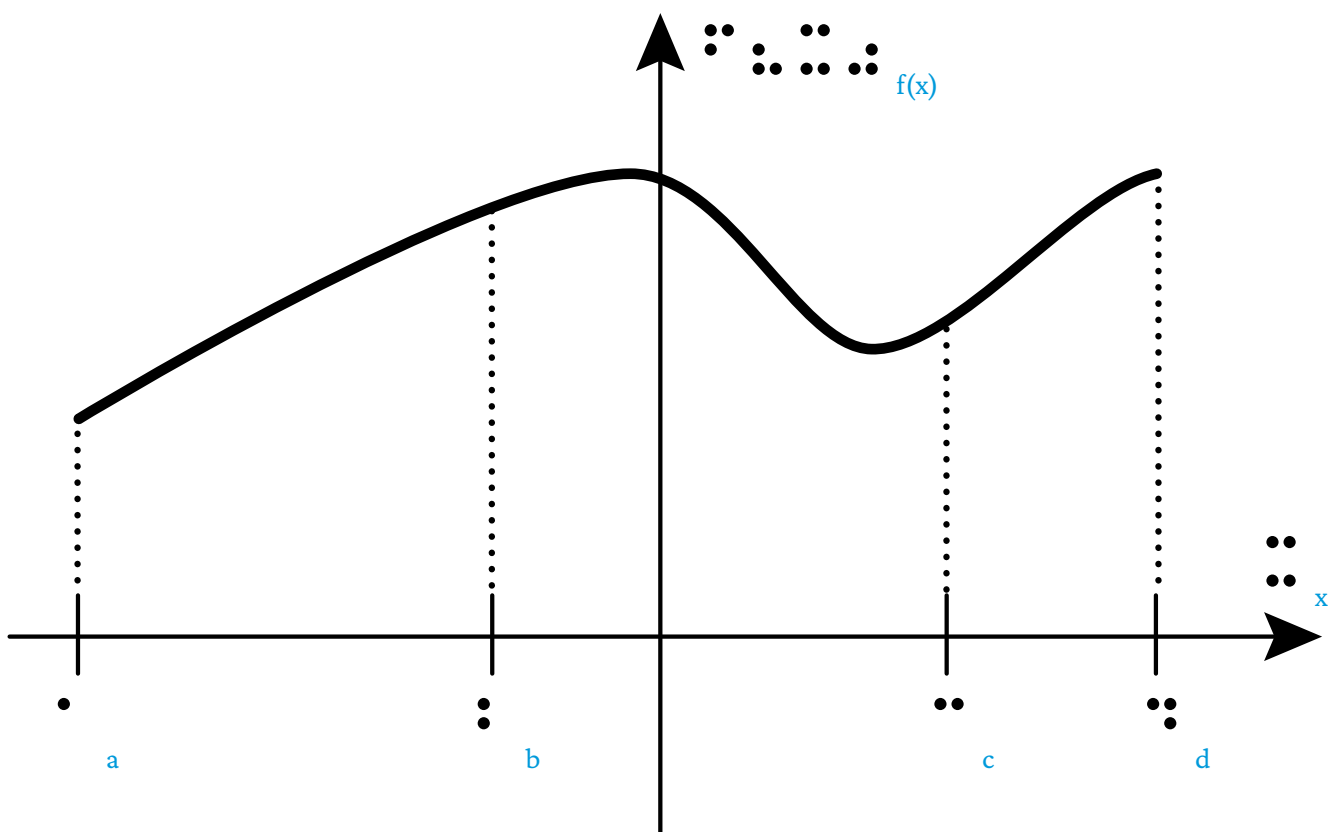
S.43 3.01 c, d

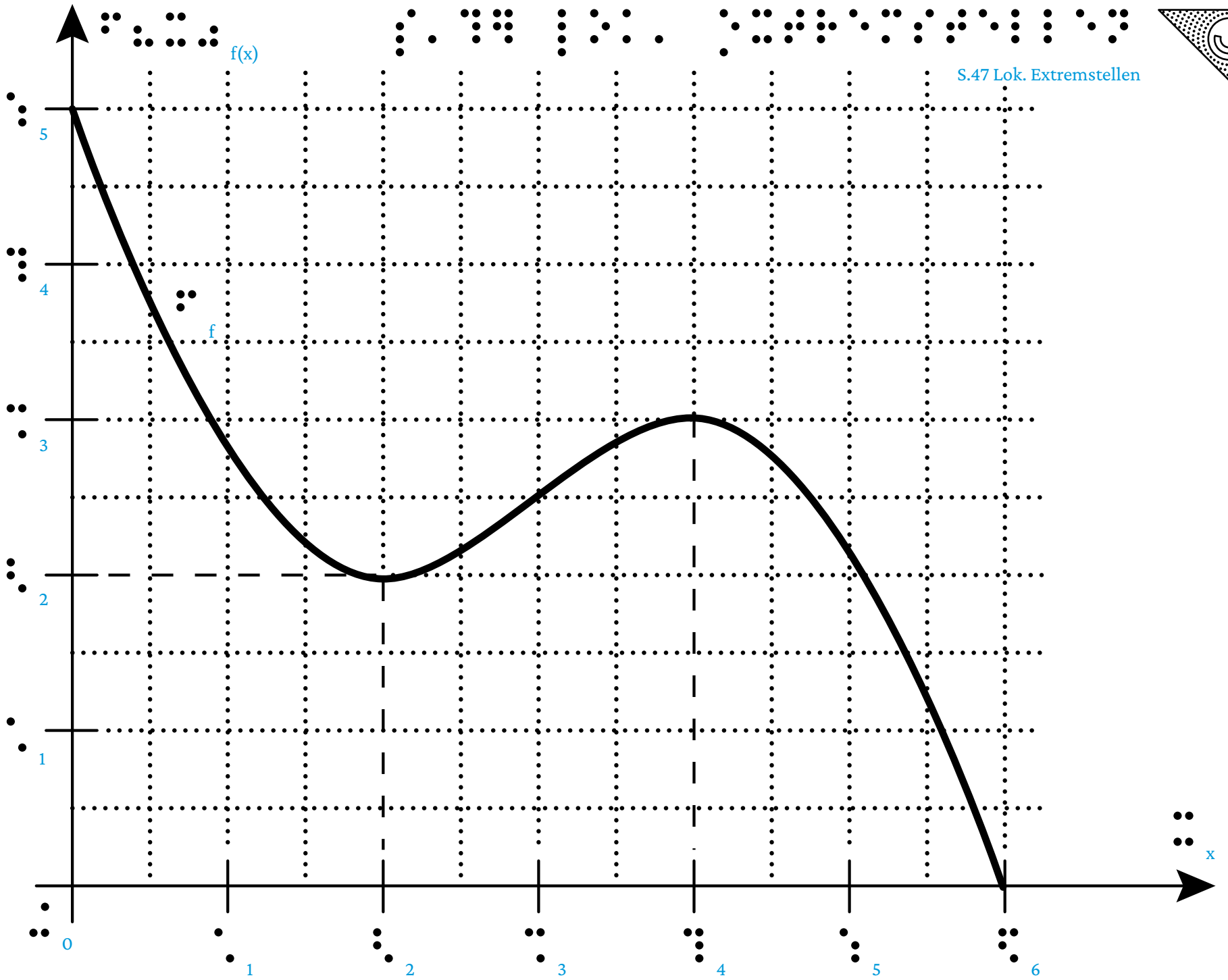
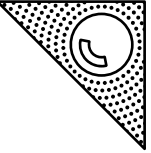


a)

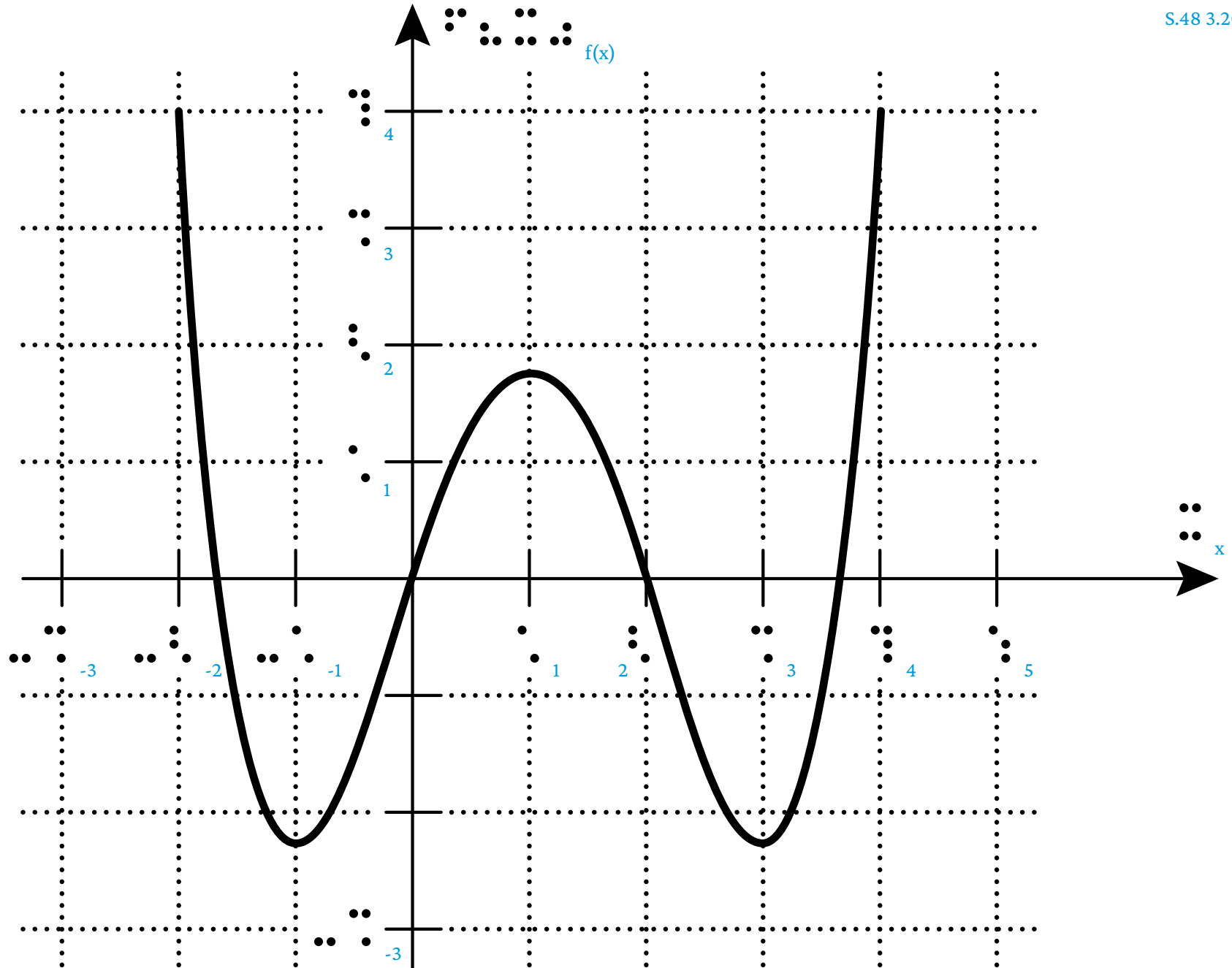
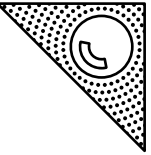


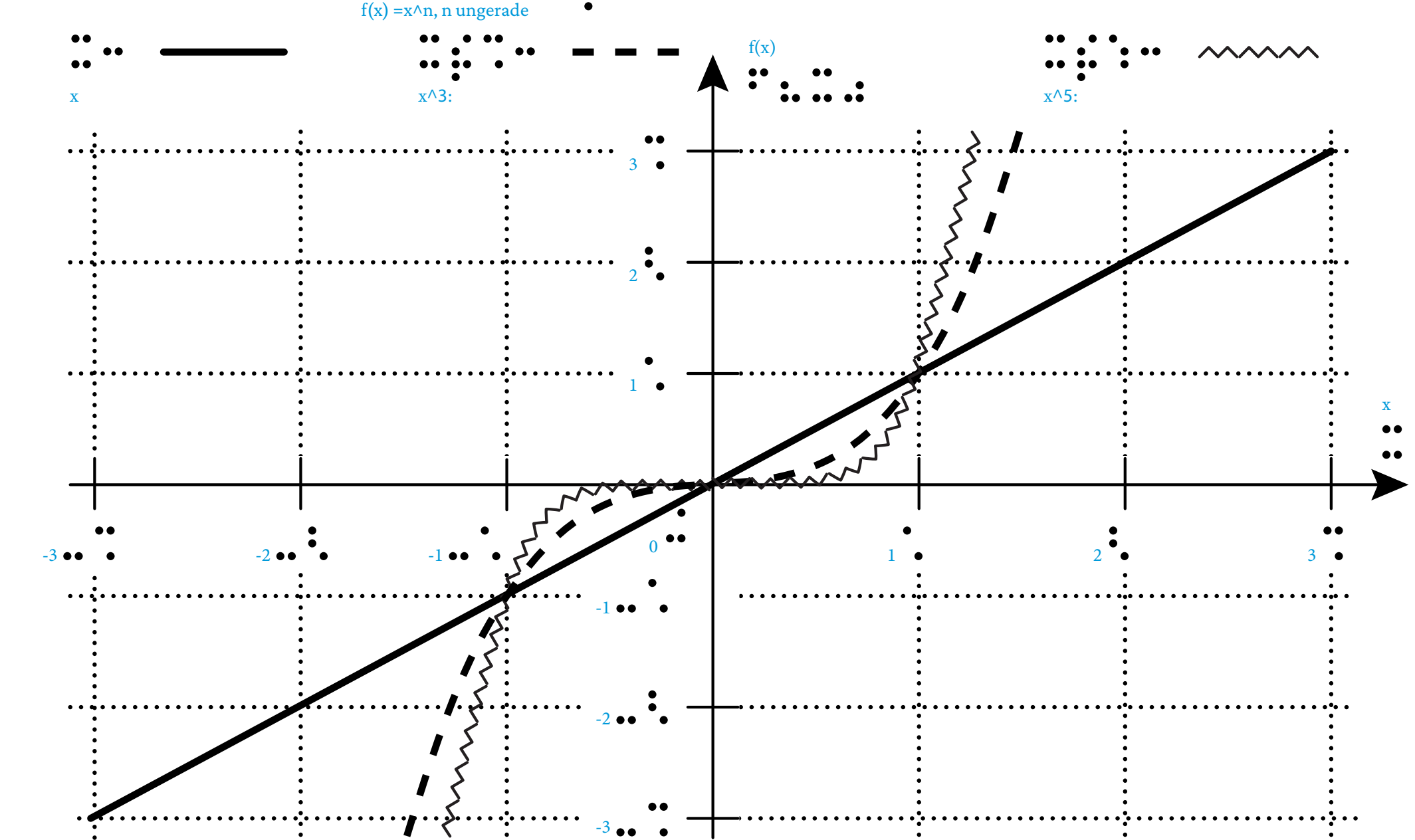
b)

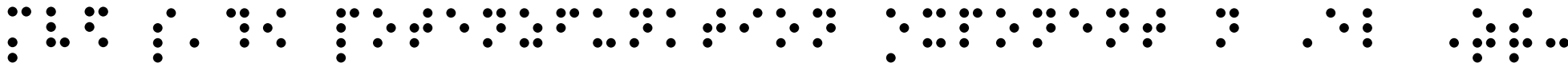




S.47 Lok. Extremstellen

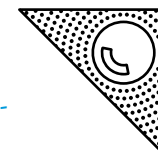






Mv6

S.49 Potenzfunktion Exponent n 'el 'Z^-



$f(x) = x^n - n$, n gerade

x^{-2} :

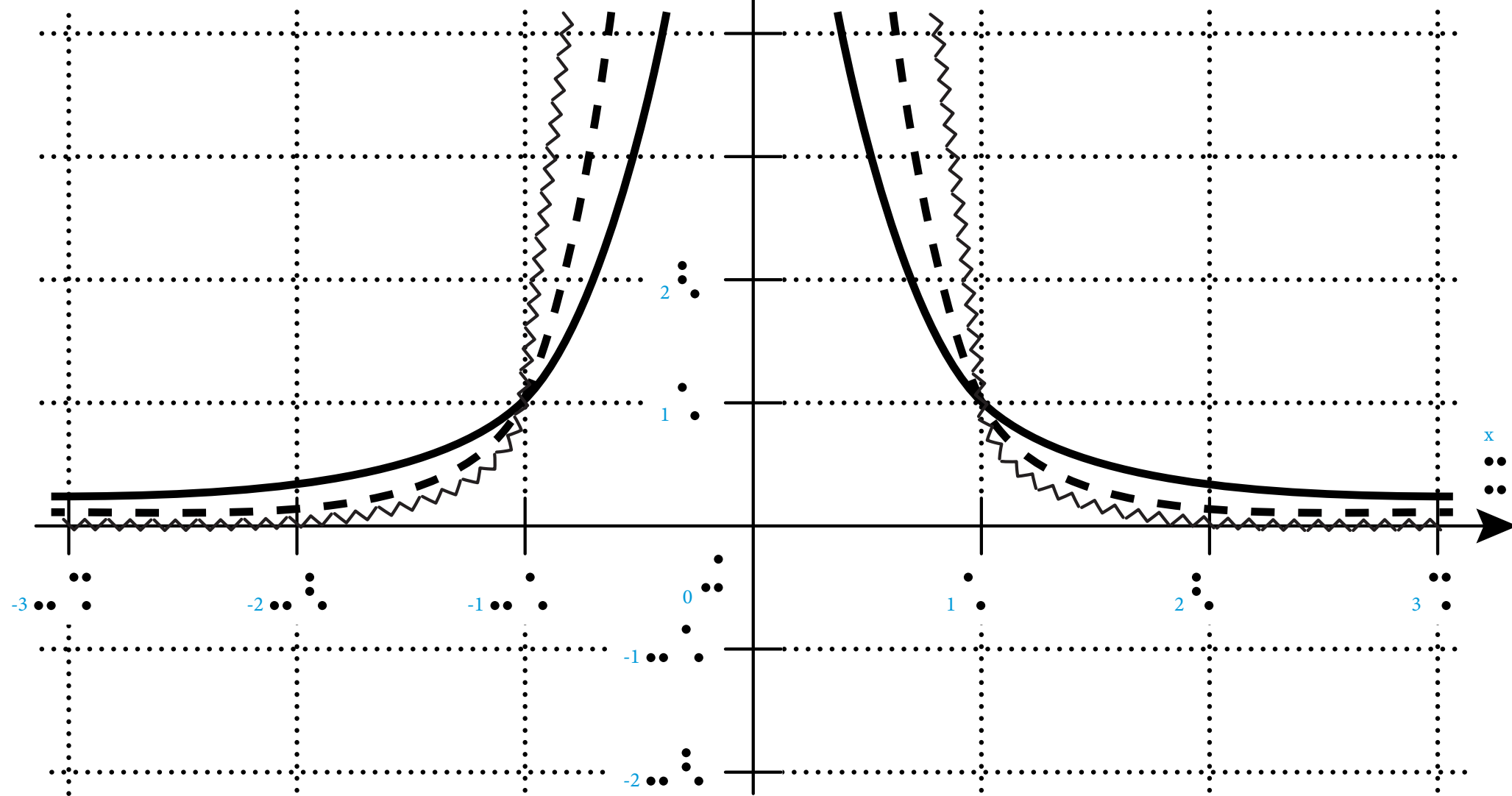


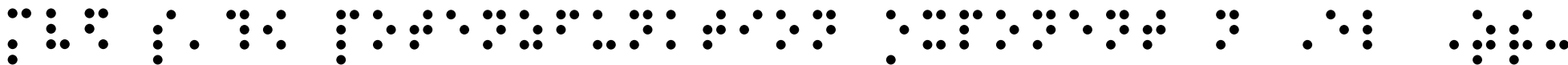
x^{-4} :



$f(x)$:

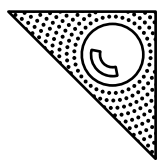
x^{-6} :





Mv6

S.49 Potenzfunktion Exponent n 'el 'Z^-



$f(x) = x^{-n}, n$ ungerade

x^{-1} :

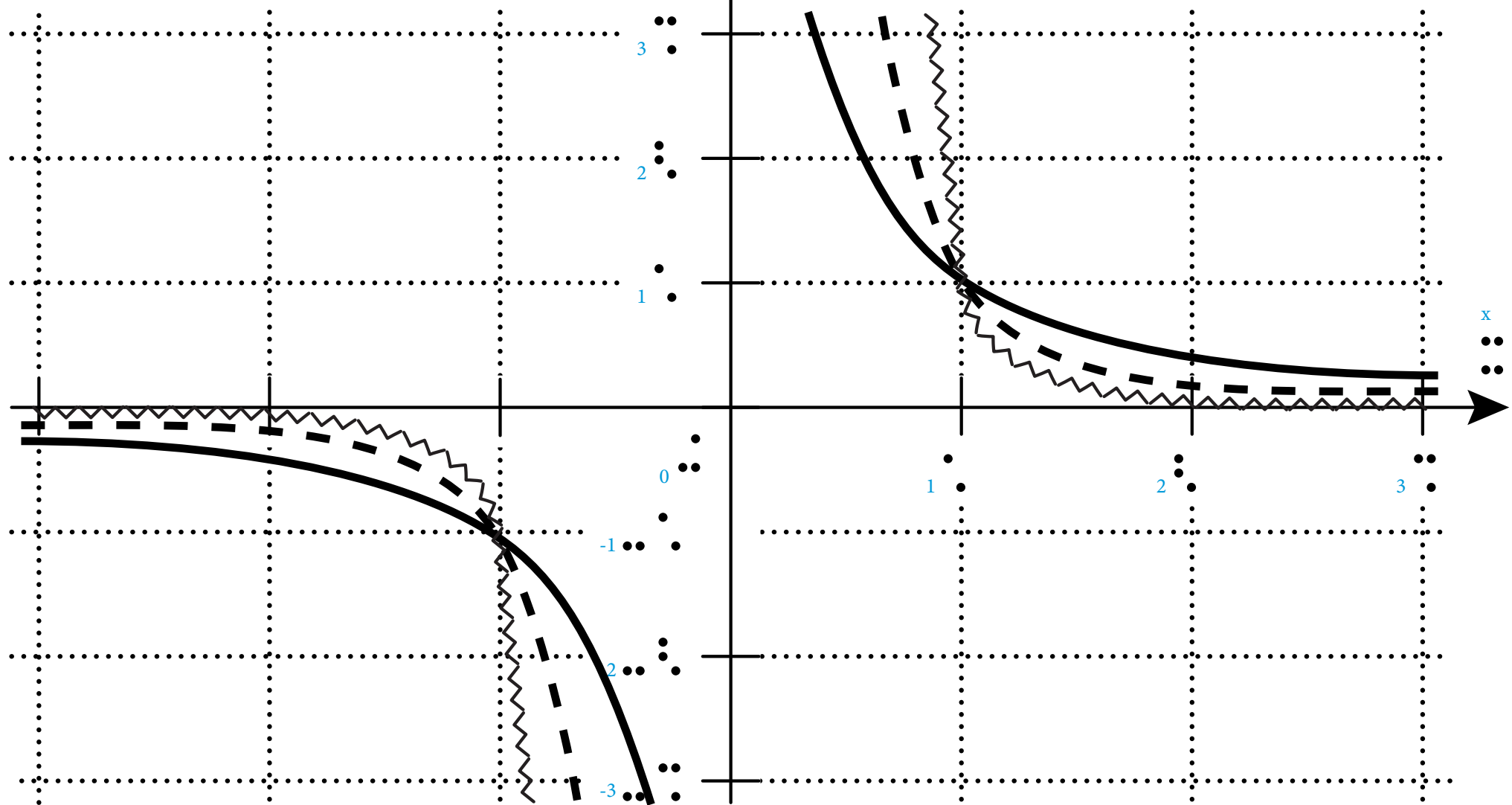


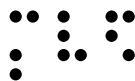
x^{-3} :



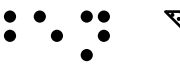
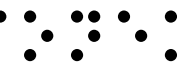
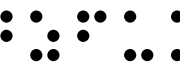
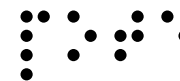
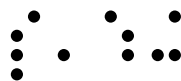
$f(x)$:

x^5 :



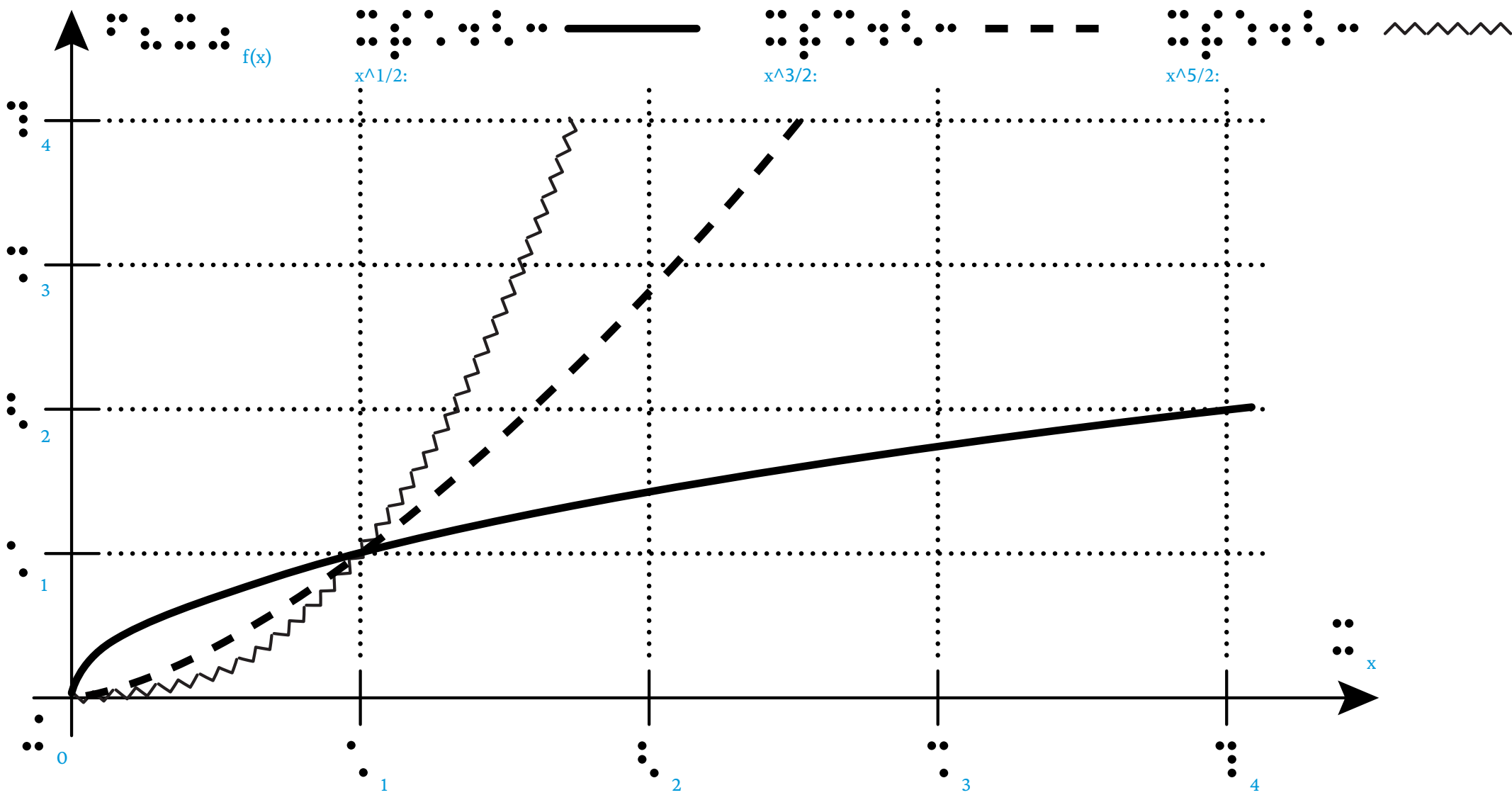


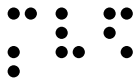
Mv6



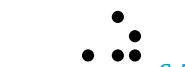
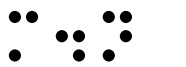
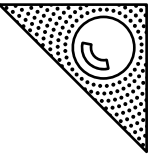
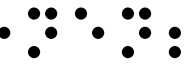
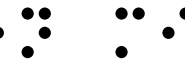
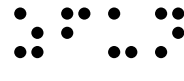
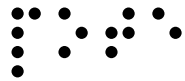
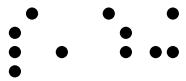
S.50 Potenzfunktionen mit Exponenten m/n 'el 'Q 'el 'Z

$f(x) = x^{m/n}, m/n > 0$

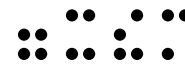
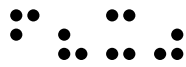




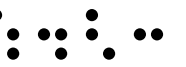
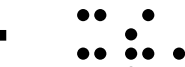
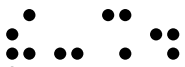
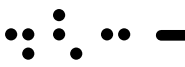
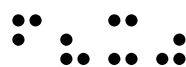
Mv6



S.50 Potenzfunktionen mit Exponenten m/n 'el 'Q 'el 'Z



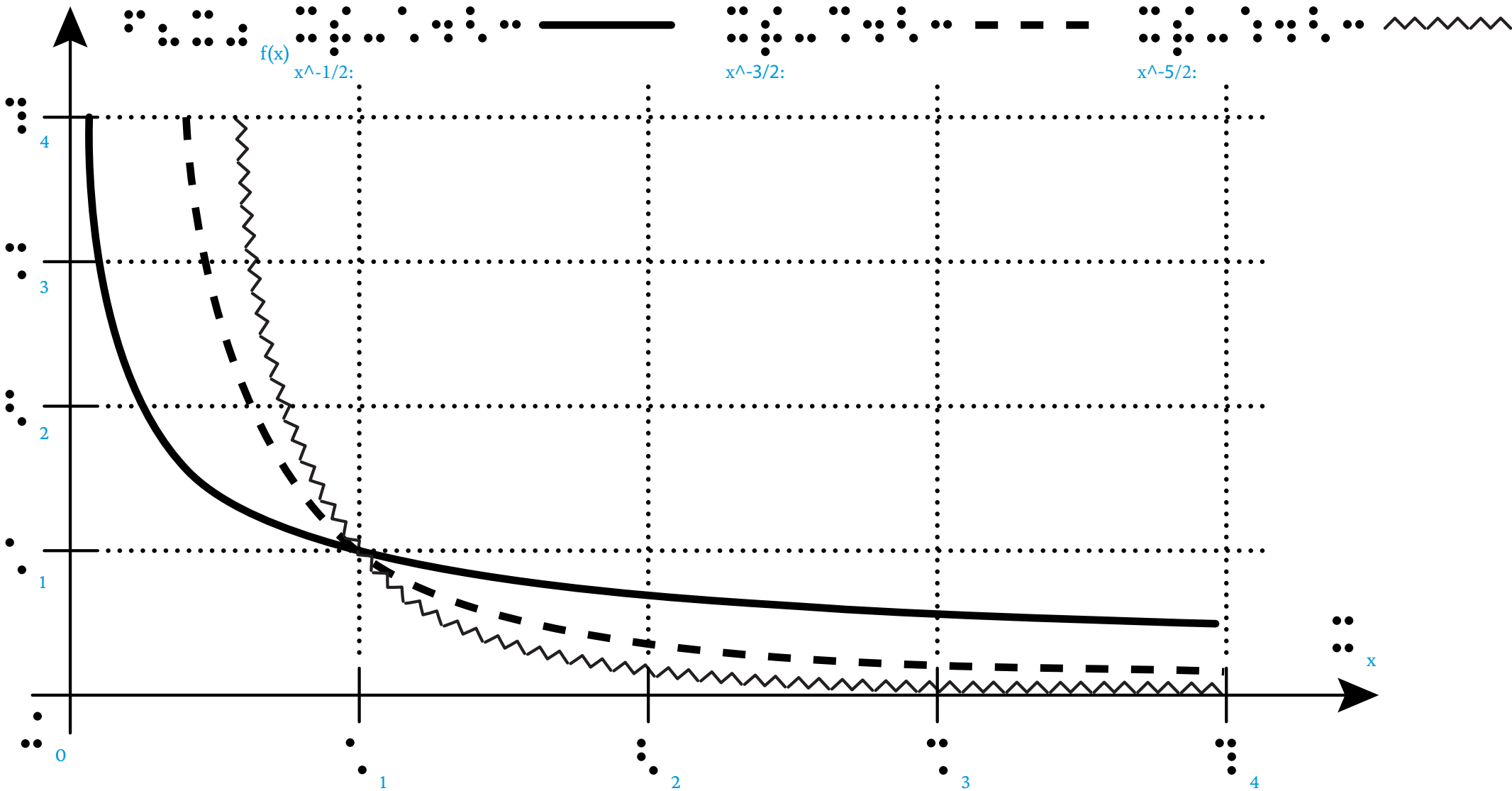
$f(x) = x^{m/n}, m/n < 0$

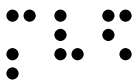


$f(x)$
 $x^{-1/2}:$

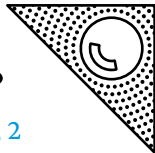
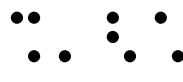
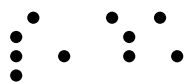
$x^{-3/2}:$

$x^{-5/2}:$





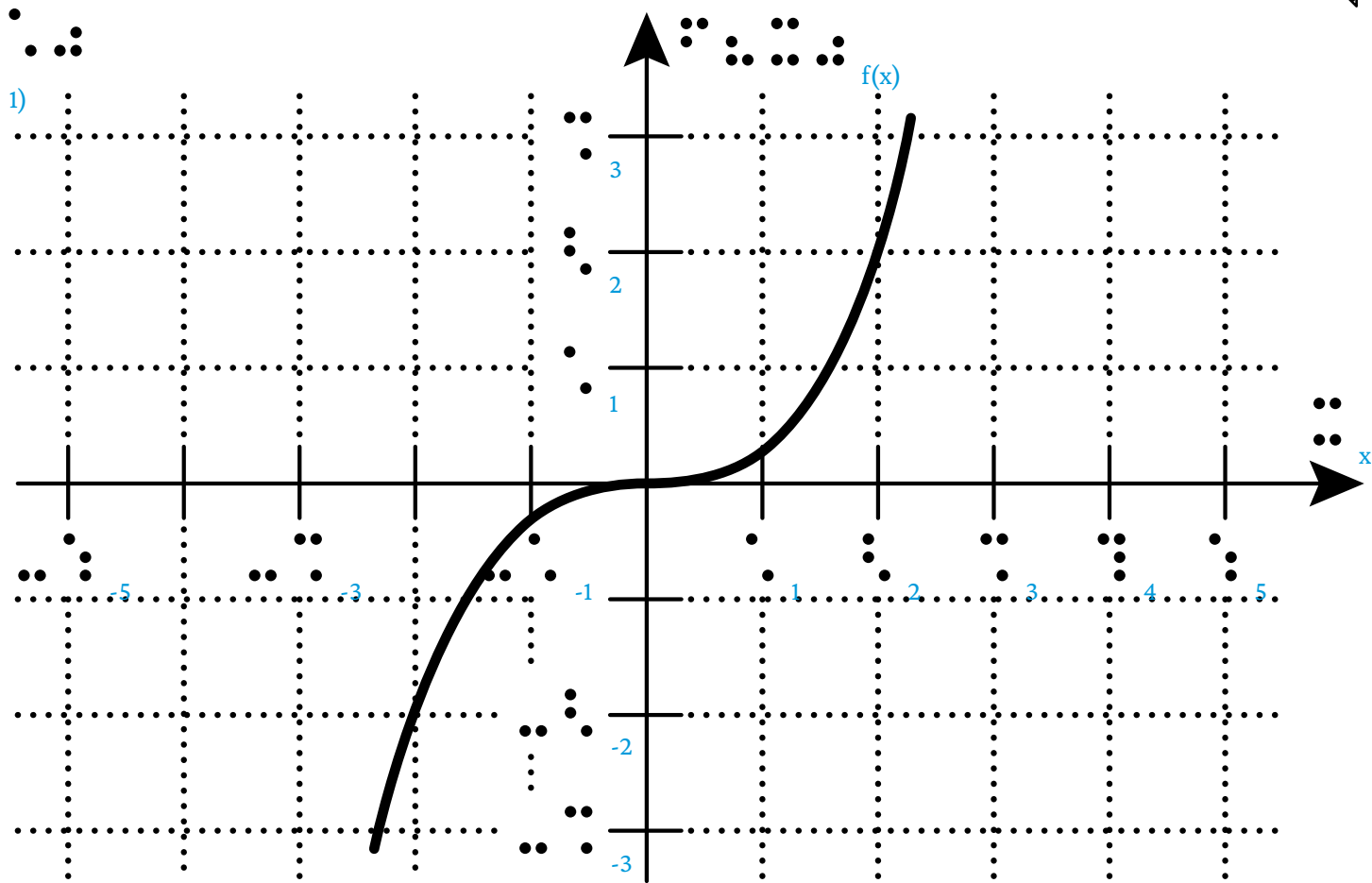
Mv6



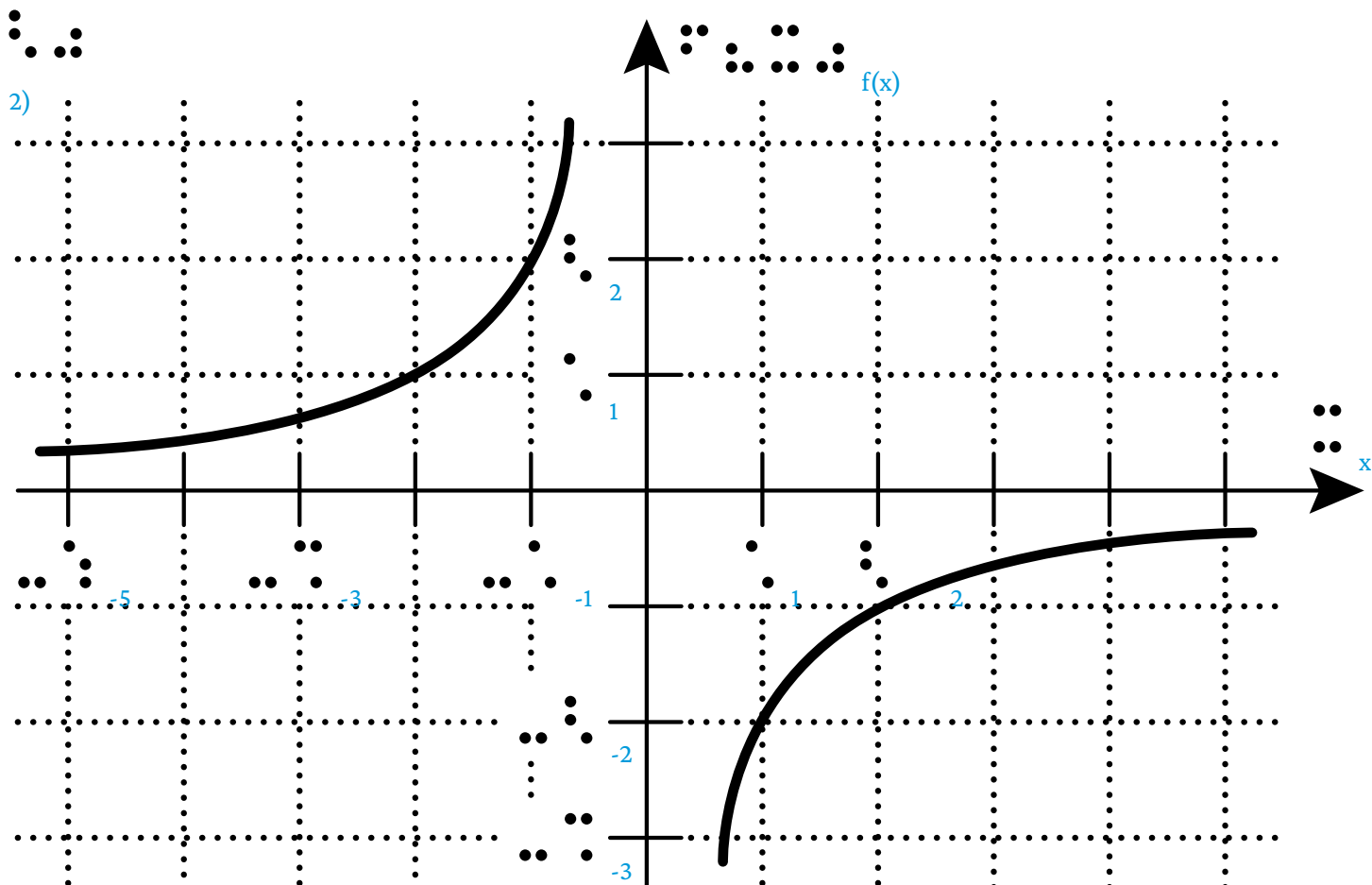
S.51 3.211, 2

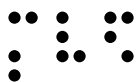


1)



2)

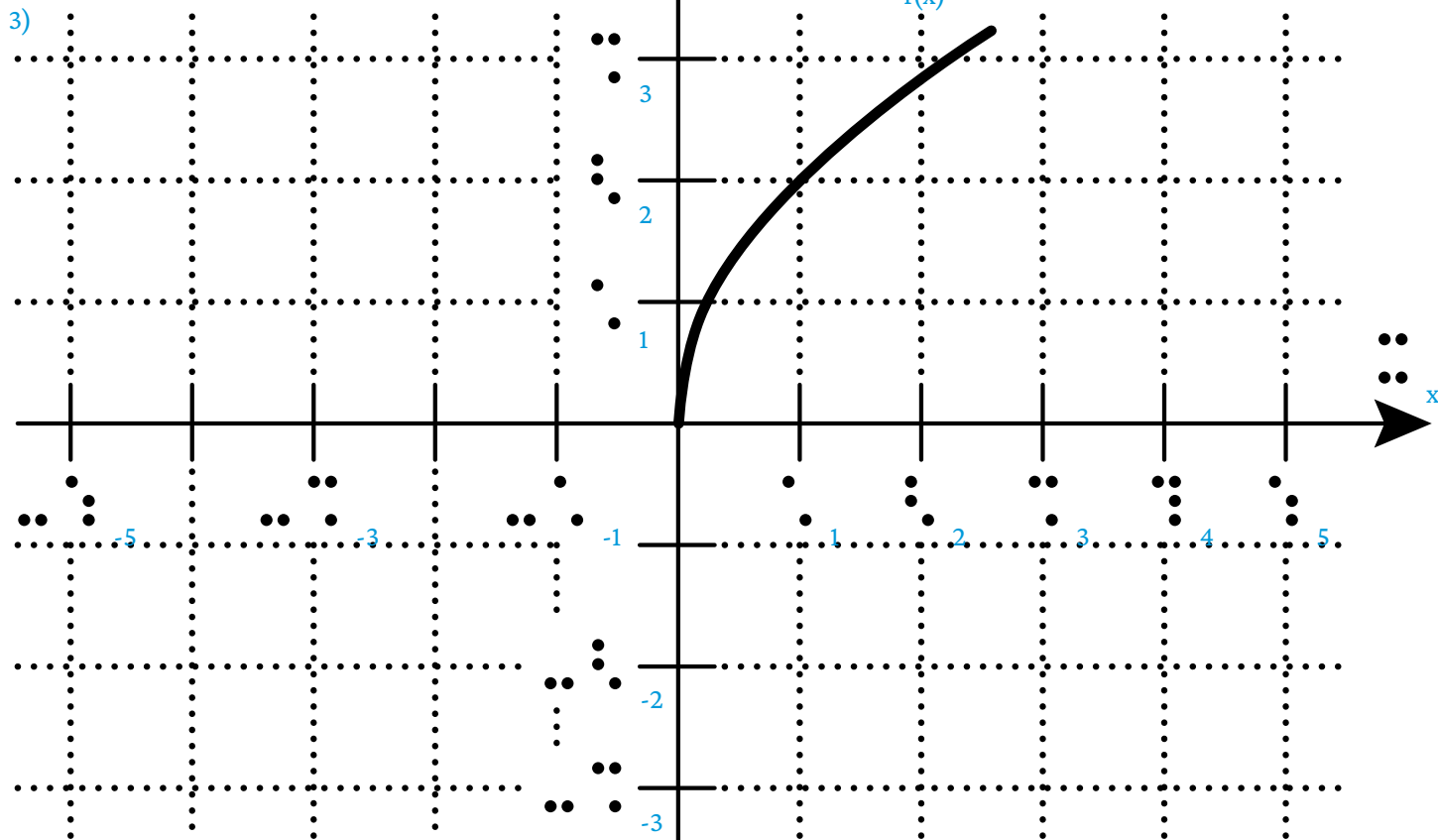




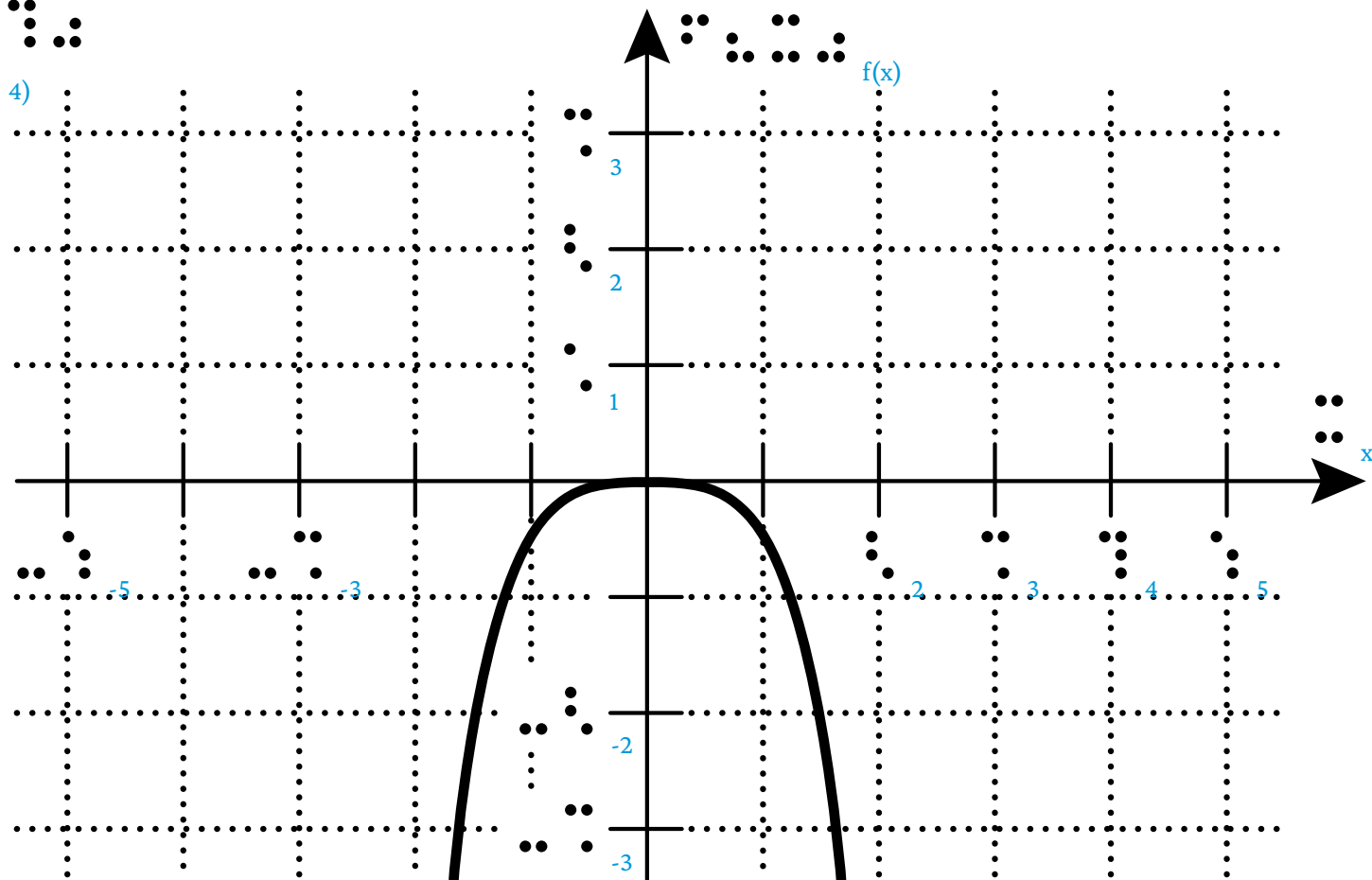
Mv6

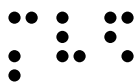


3)

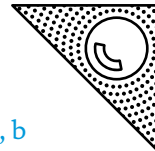
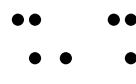
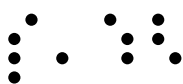


4)





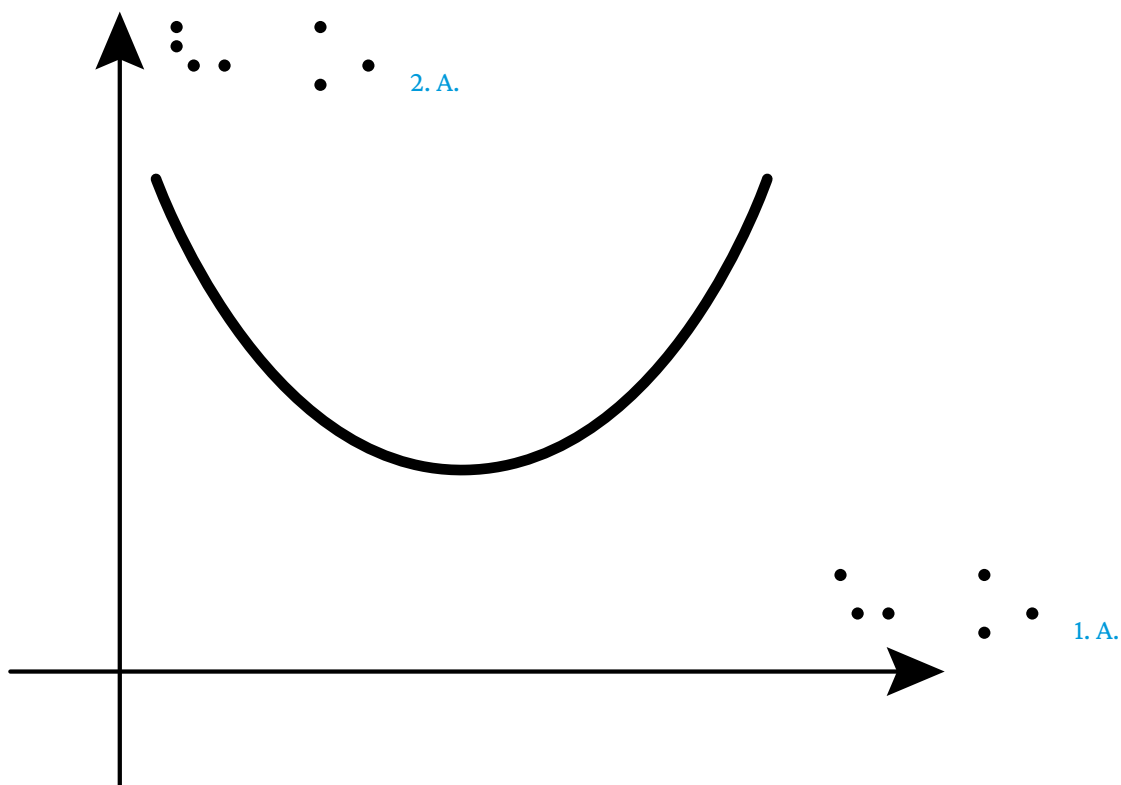
Mv6



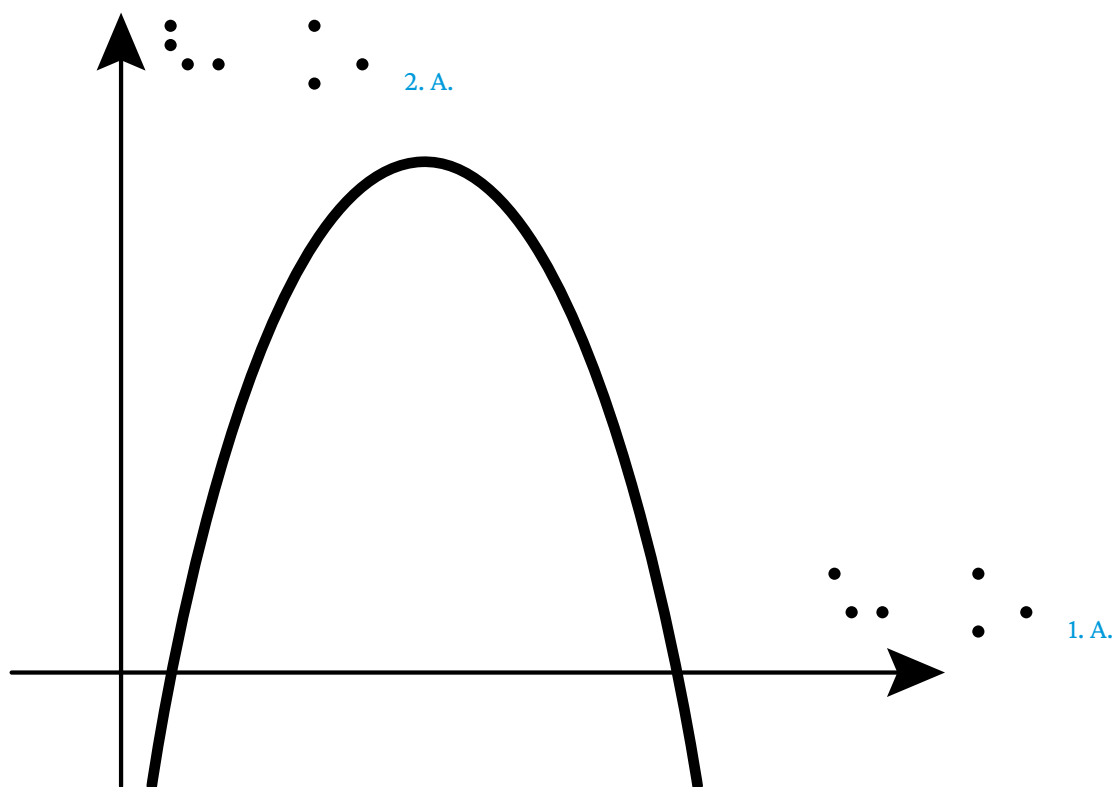
S.52 Abb. 3.3 a, b

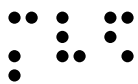


3.3 a

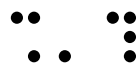
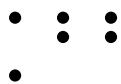
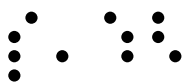


3.3 b





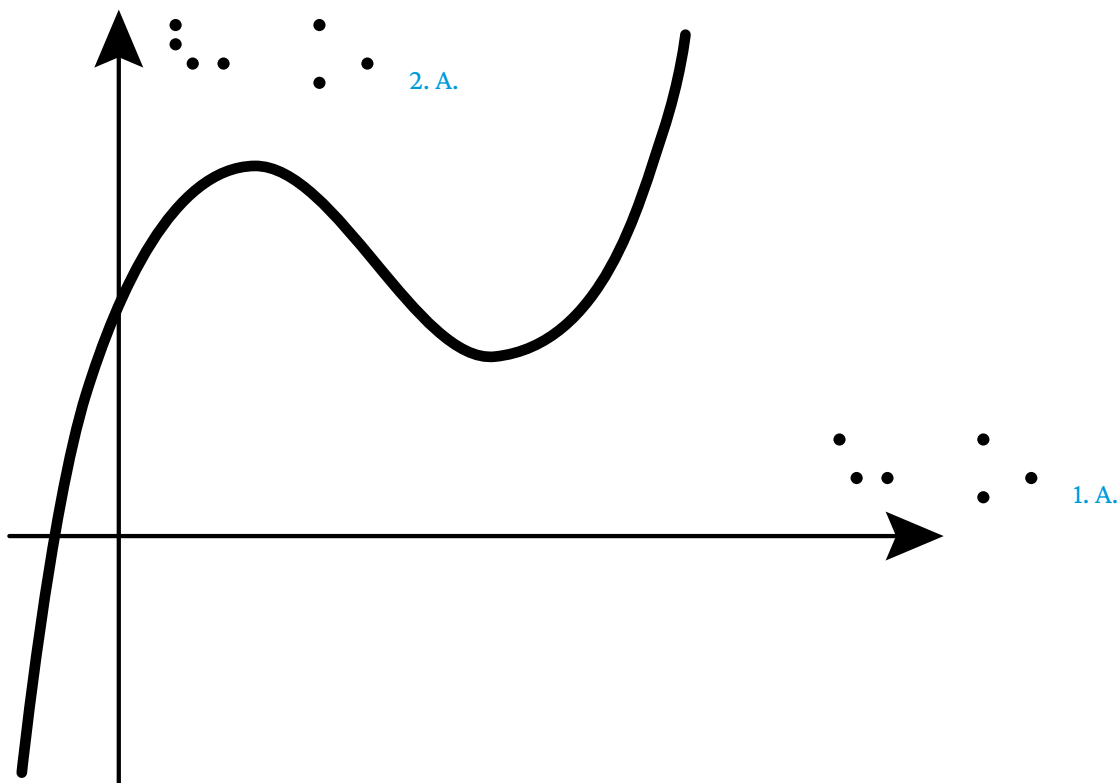
Mv6



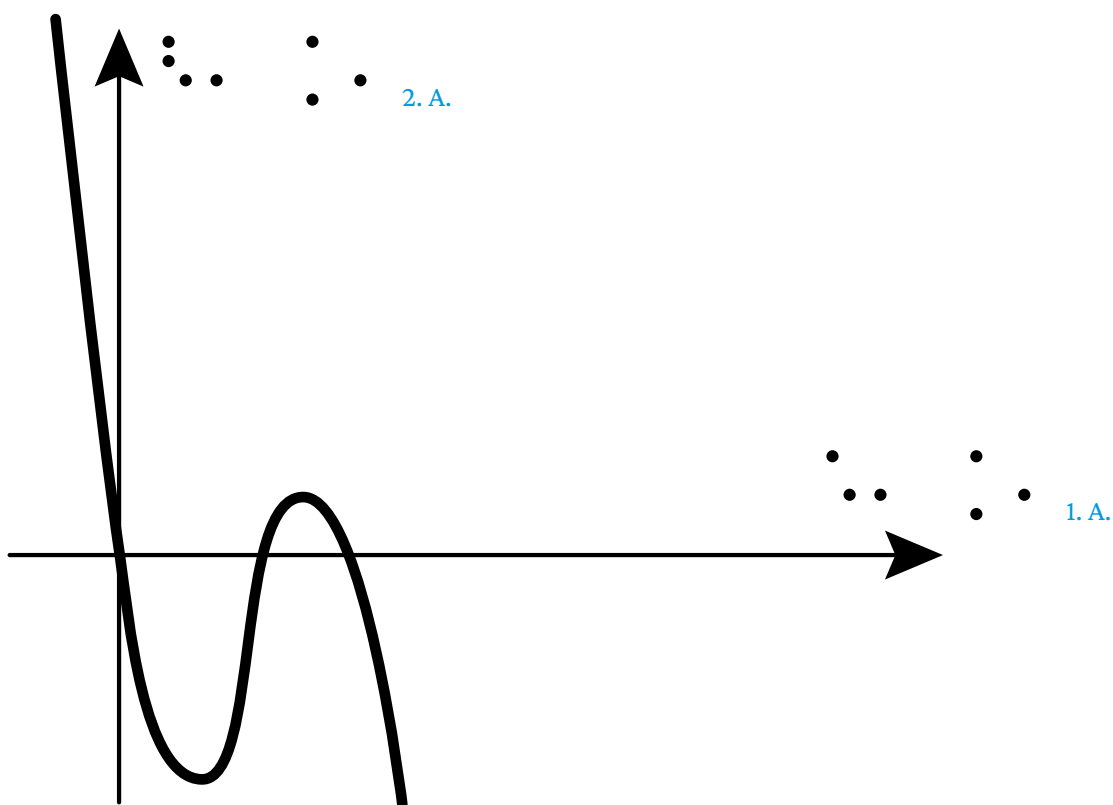
S.52 Abb. 3.4 a, b

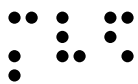


3.4 a

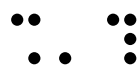
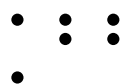
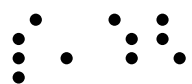


3.4 b

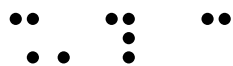




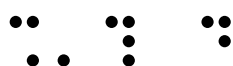
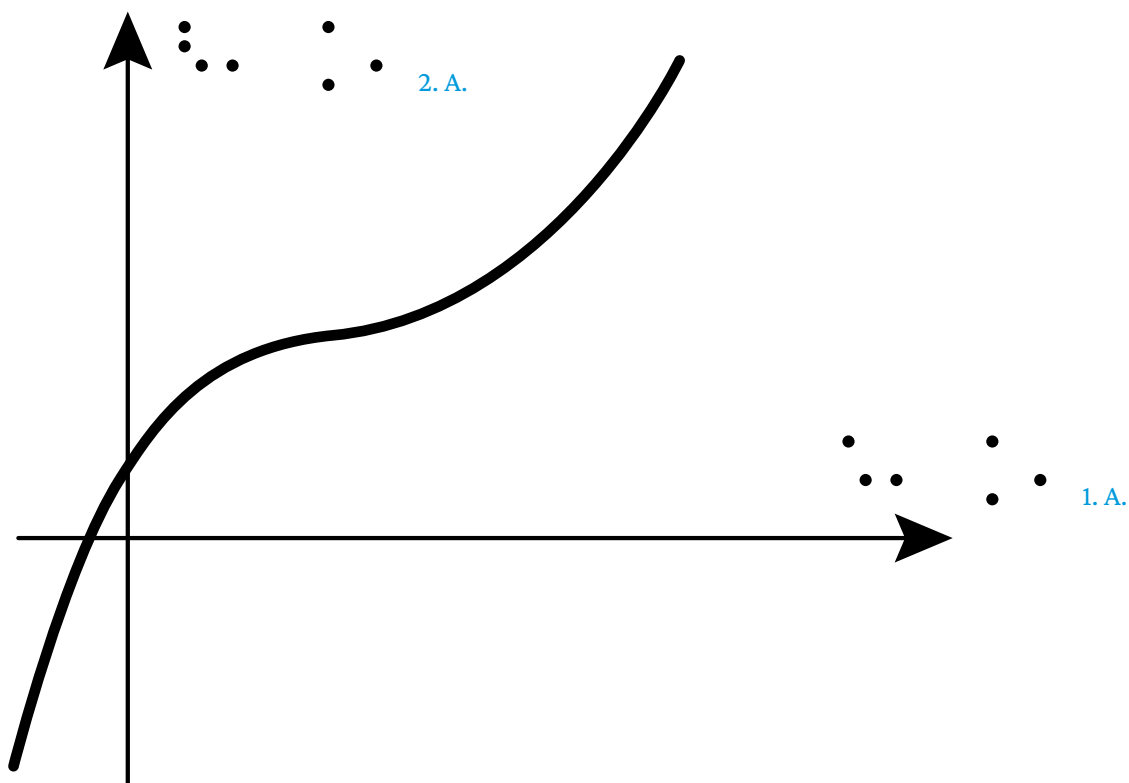
Mv6



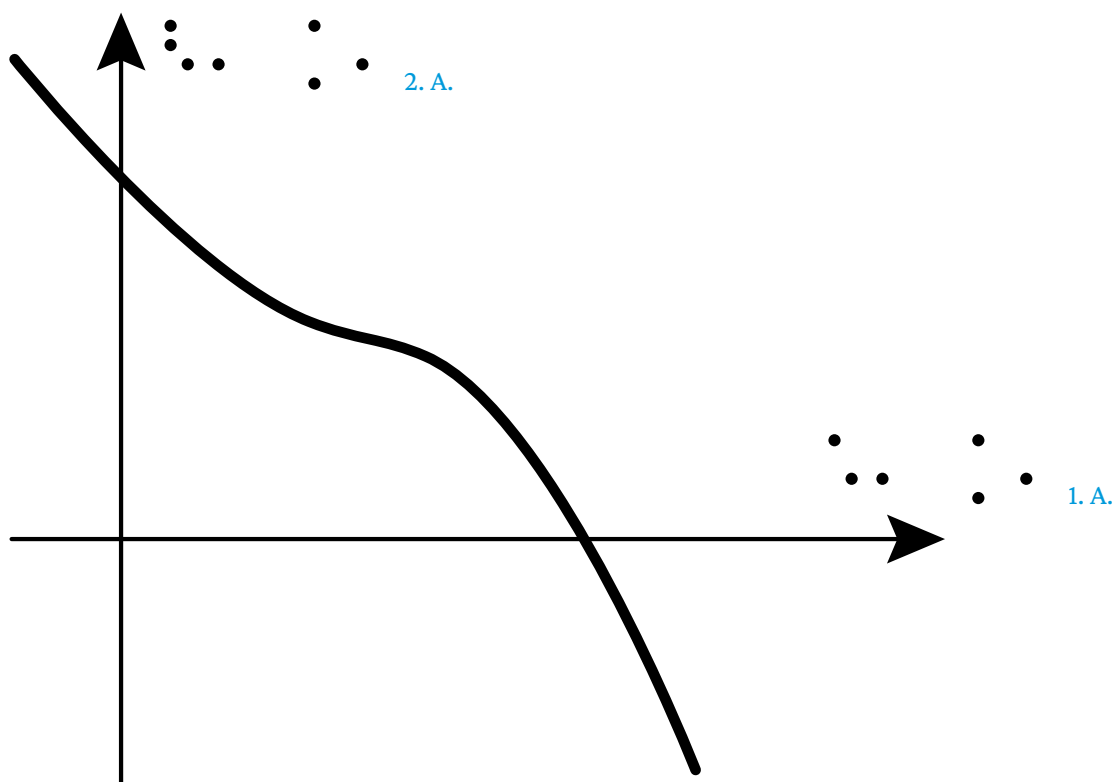
S.52 Abb. 3.4 c, d

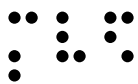


3.4 c

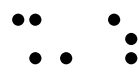
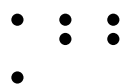
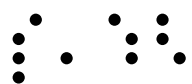


3.4 d

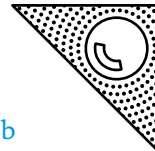




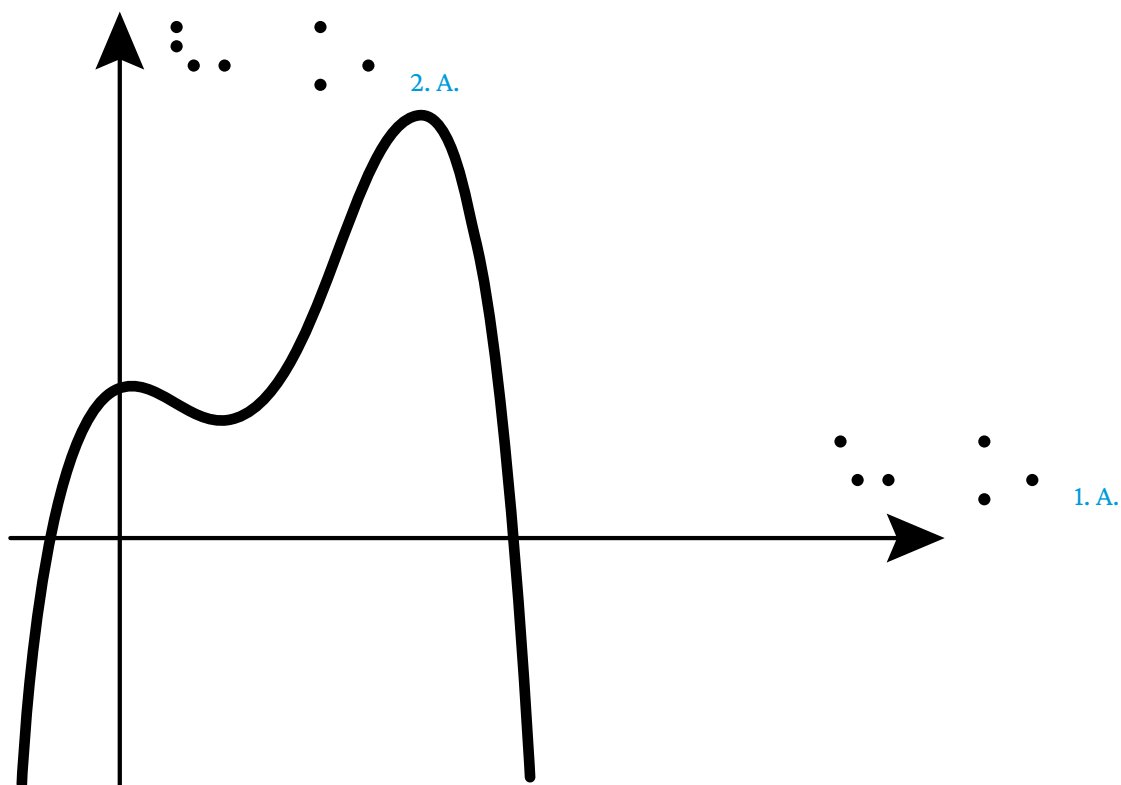
Mv6



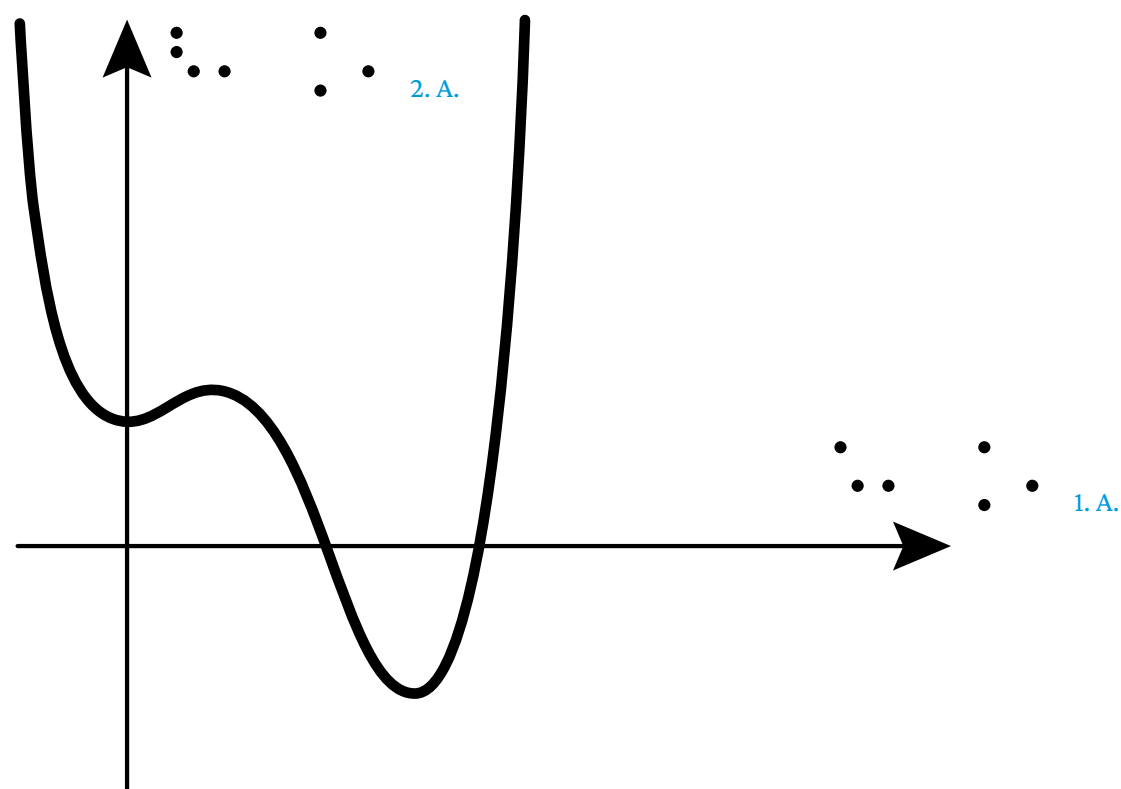
S.52 Abb. 3.5 a, b

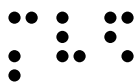


3.5 a

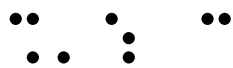
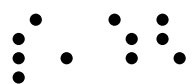


3.5 a

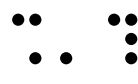




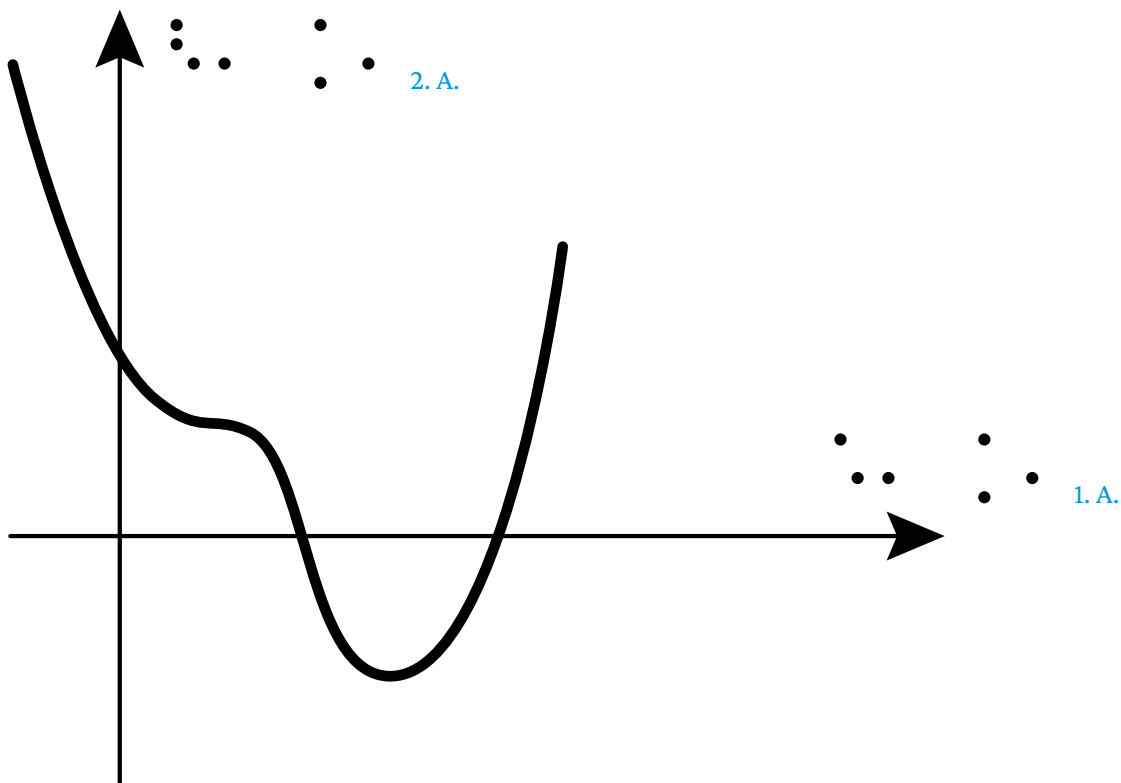
Mv6



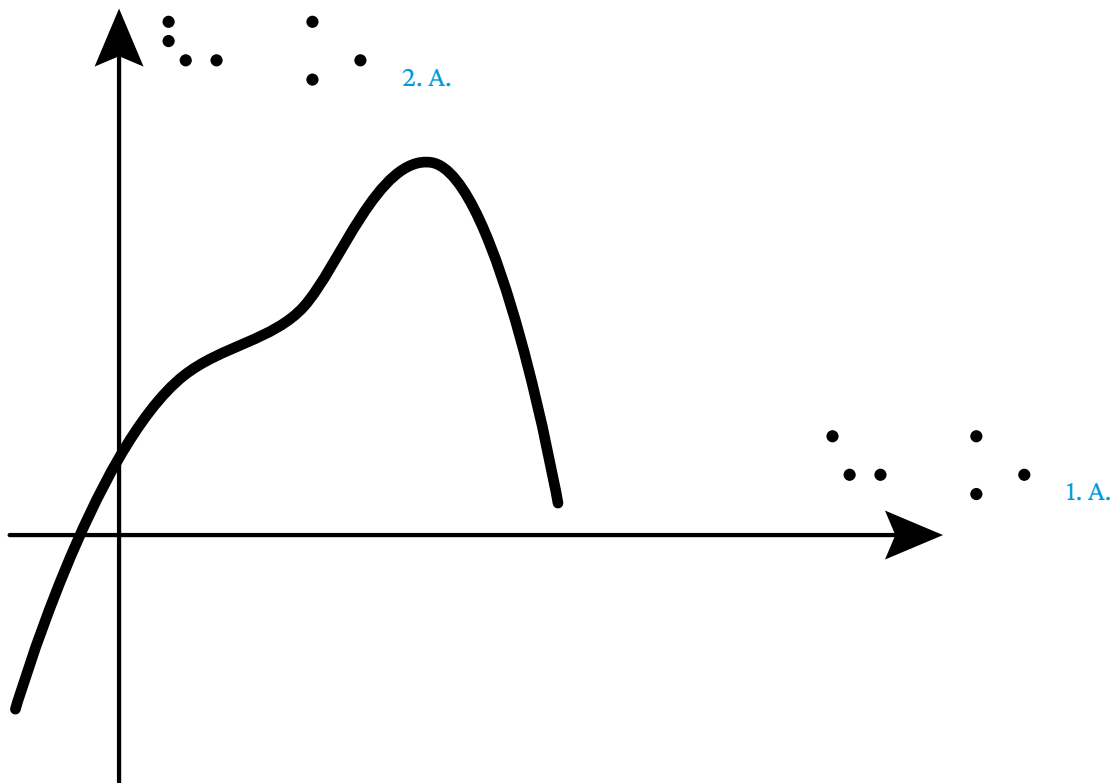
3.5 c

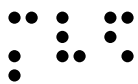


S.52 Abb. 3.5 c, d

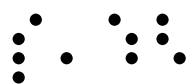


3.5 d

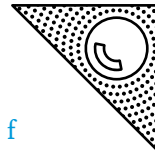




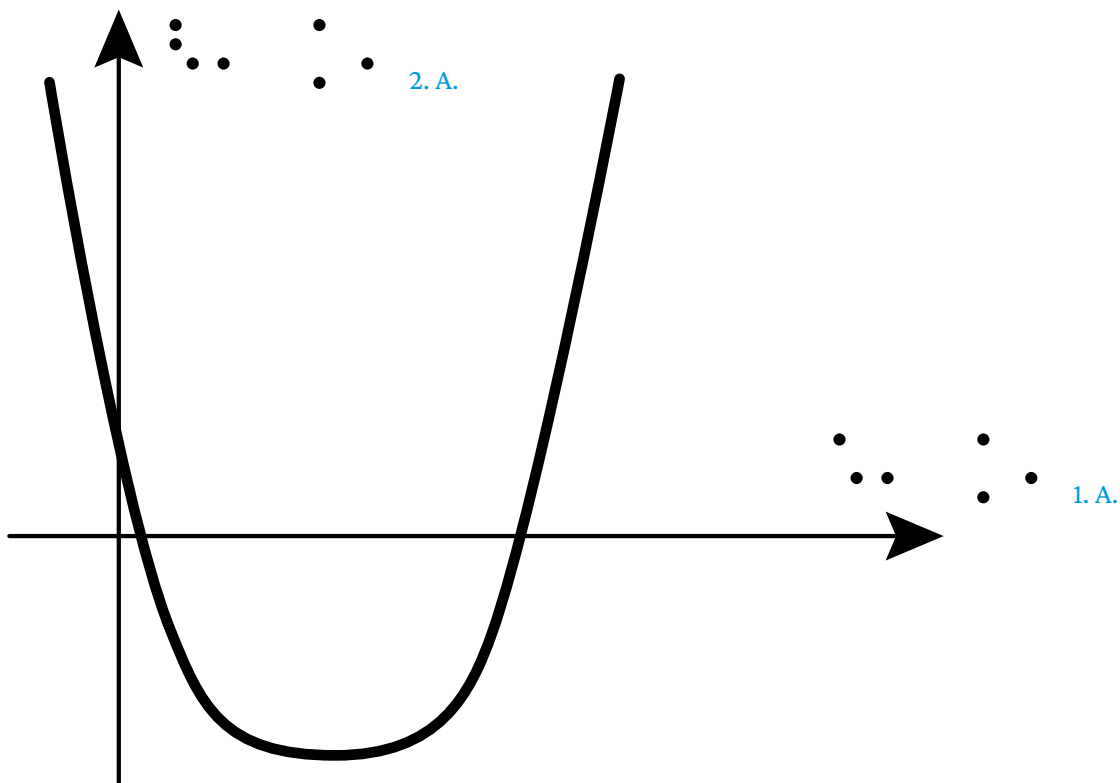
Mv6



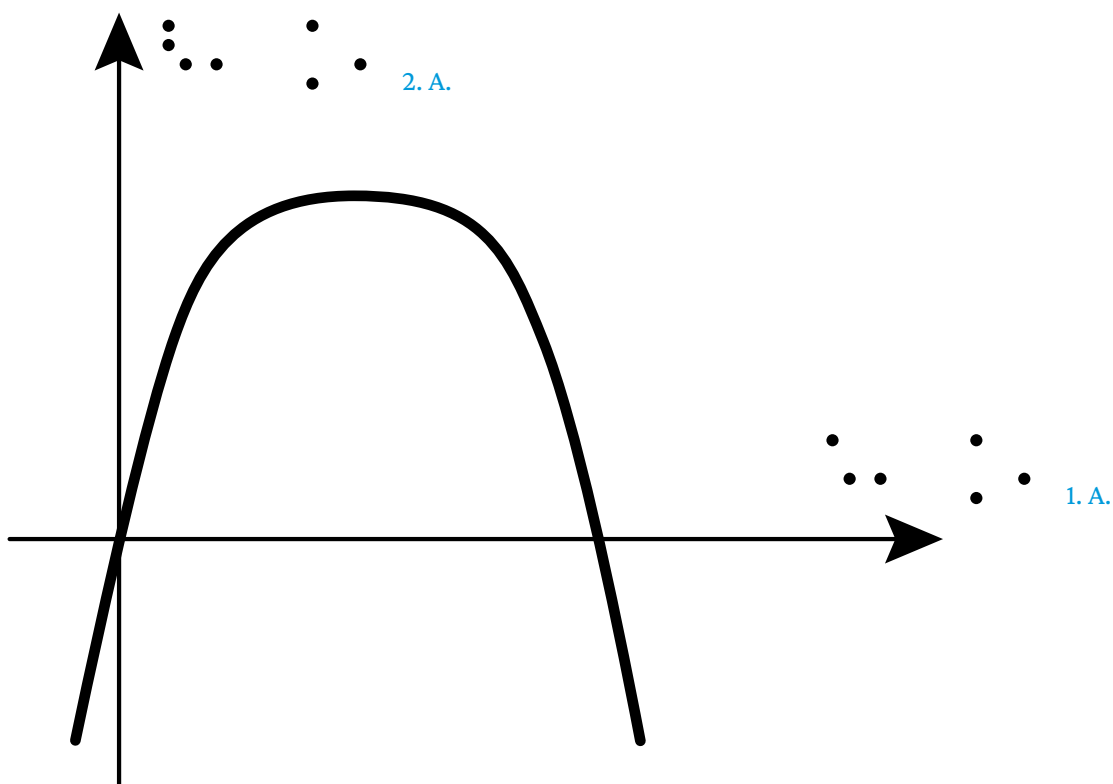
S.52 Abb. 3.5 e, f

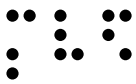


3.5 e

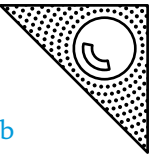
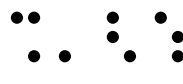
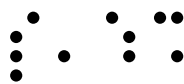


3.5 f

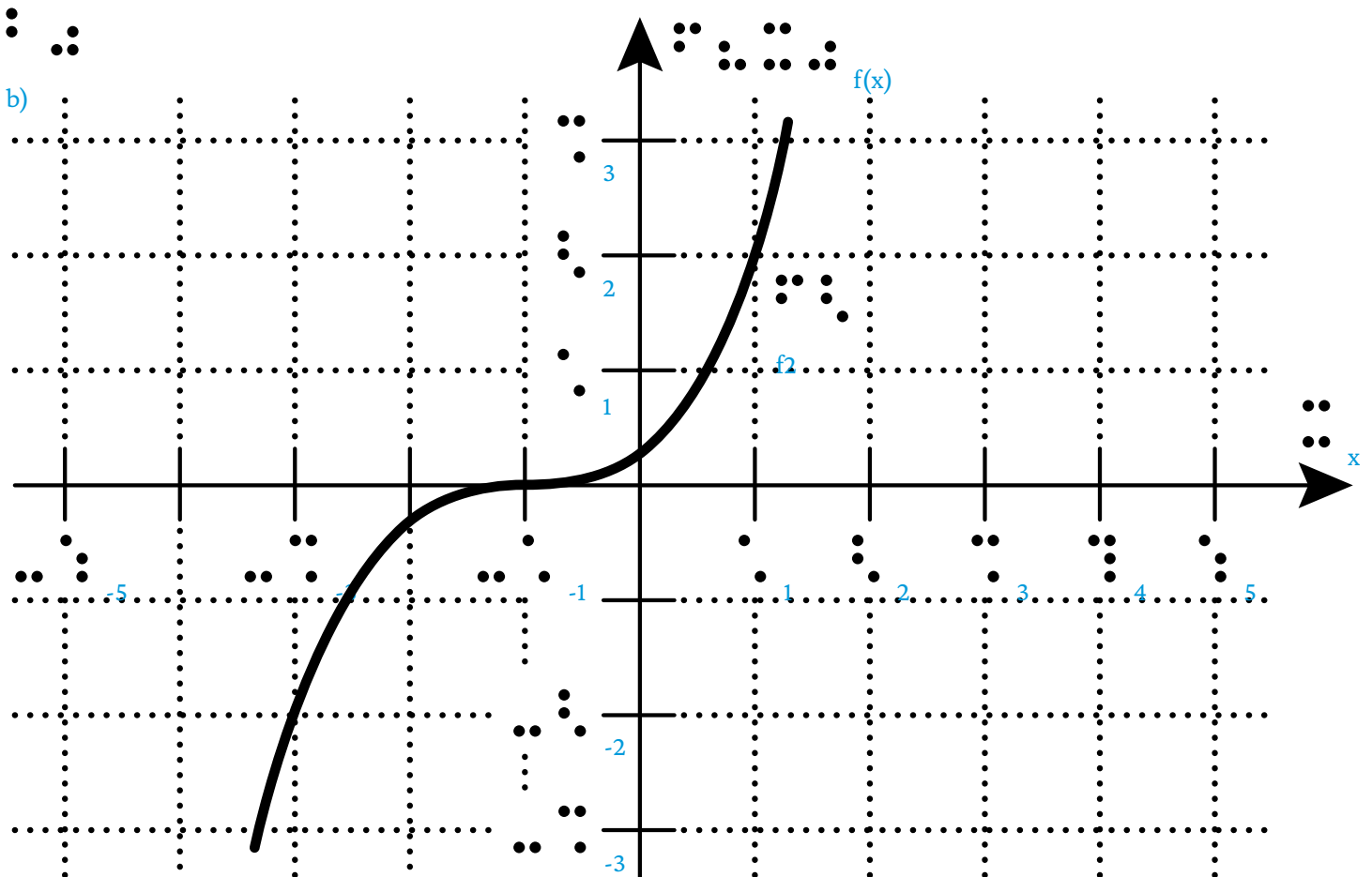
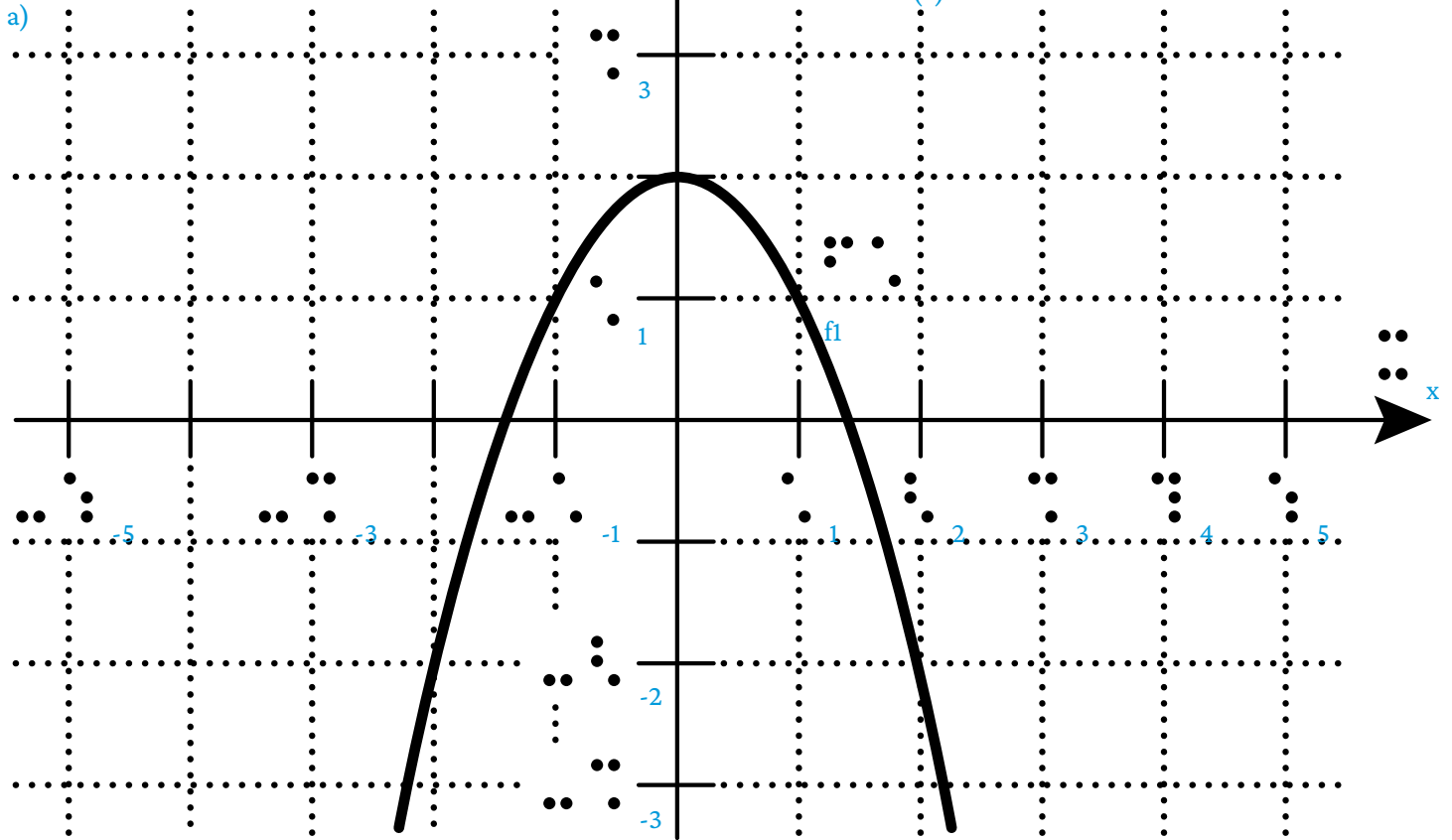


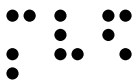


Mv6

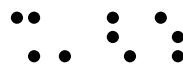
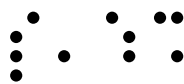


S.53 3.25 a, b





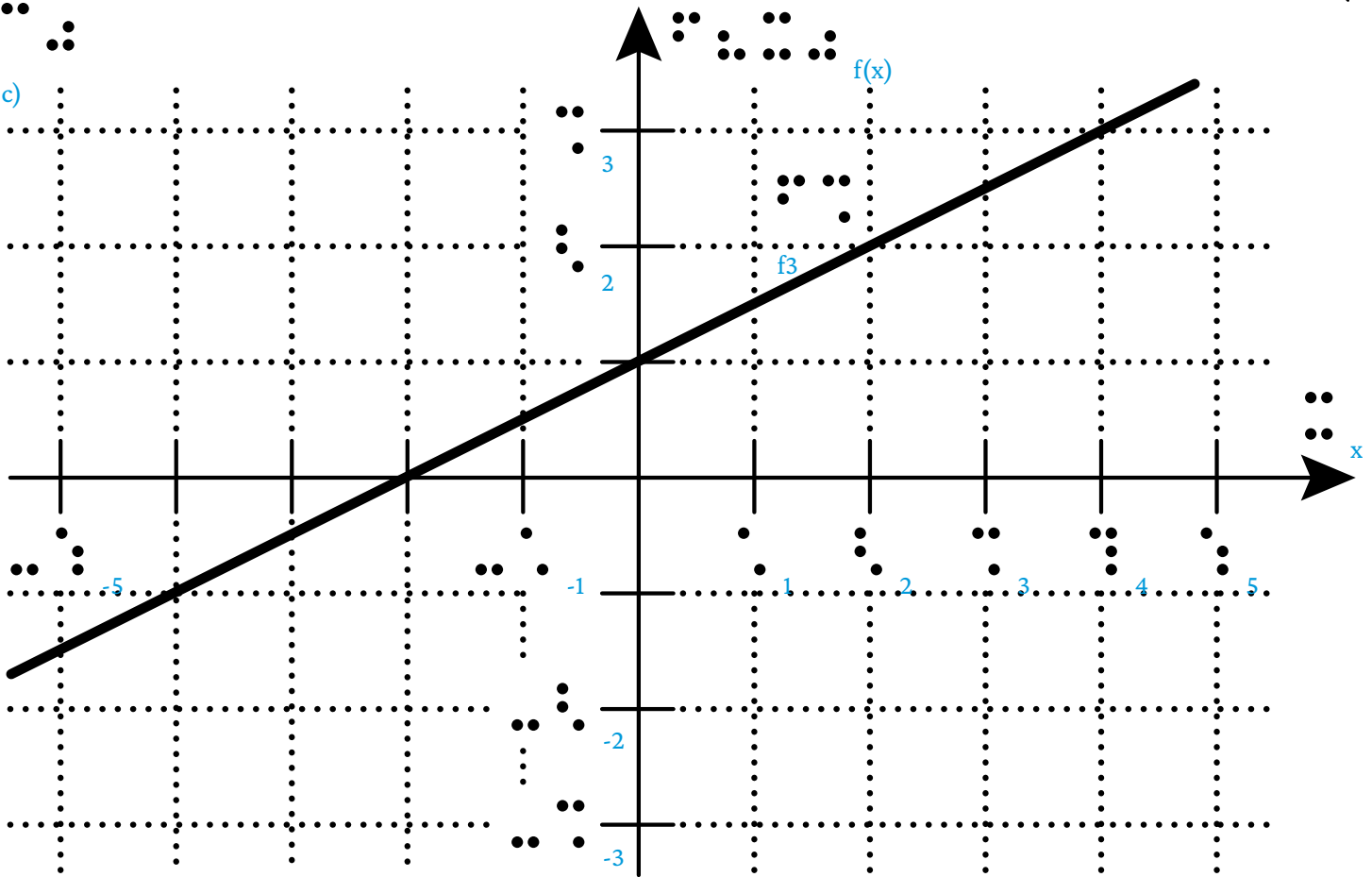
Mv6



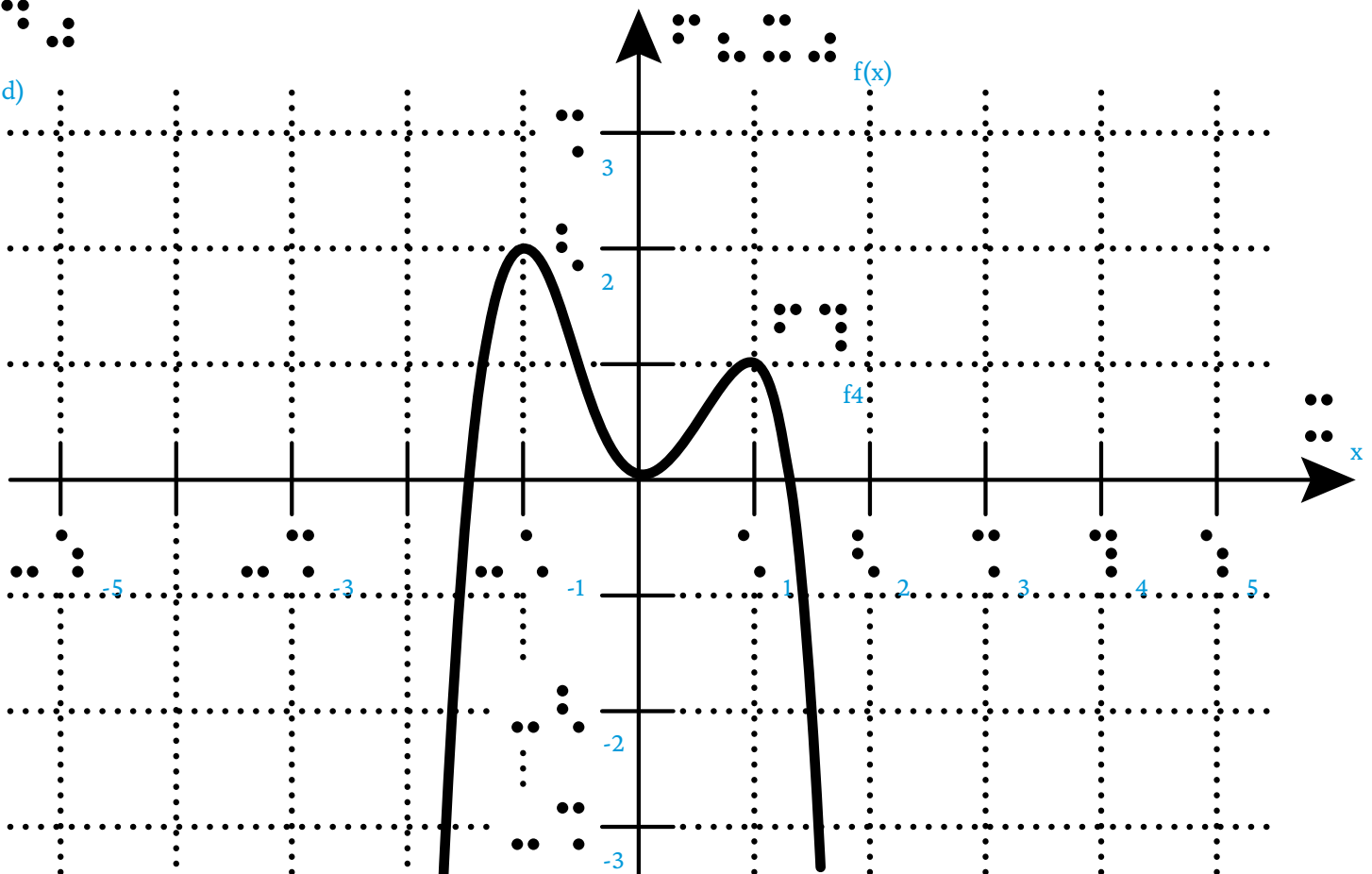
S.53 3.25 c, d

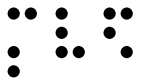


c)

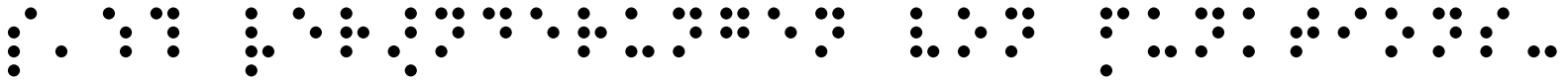


d)

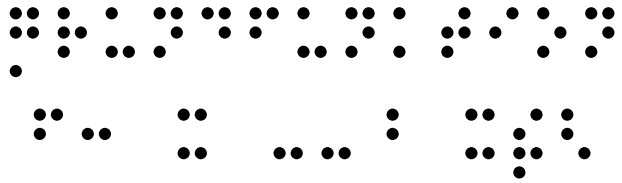
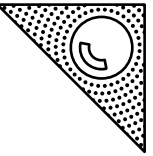




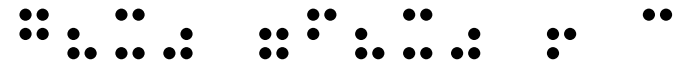
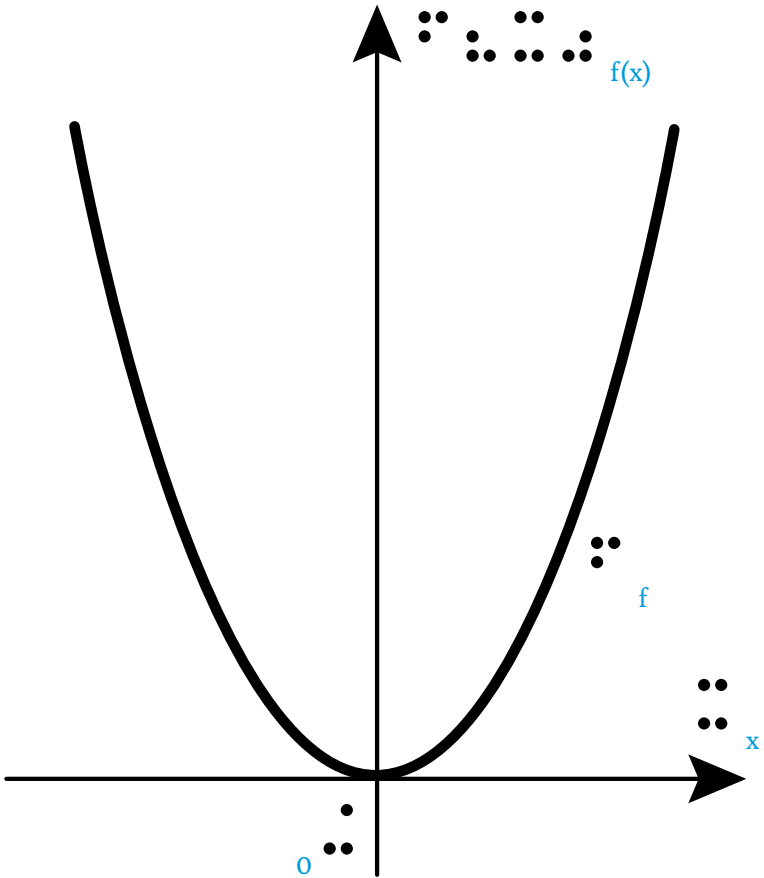
Mv6



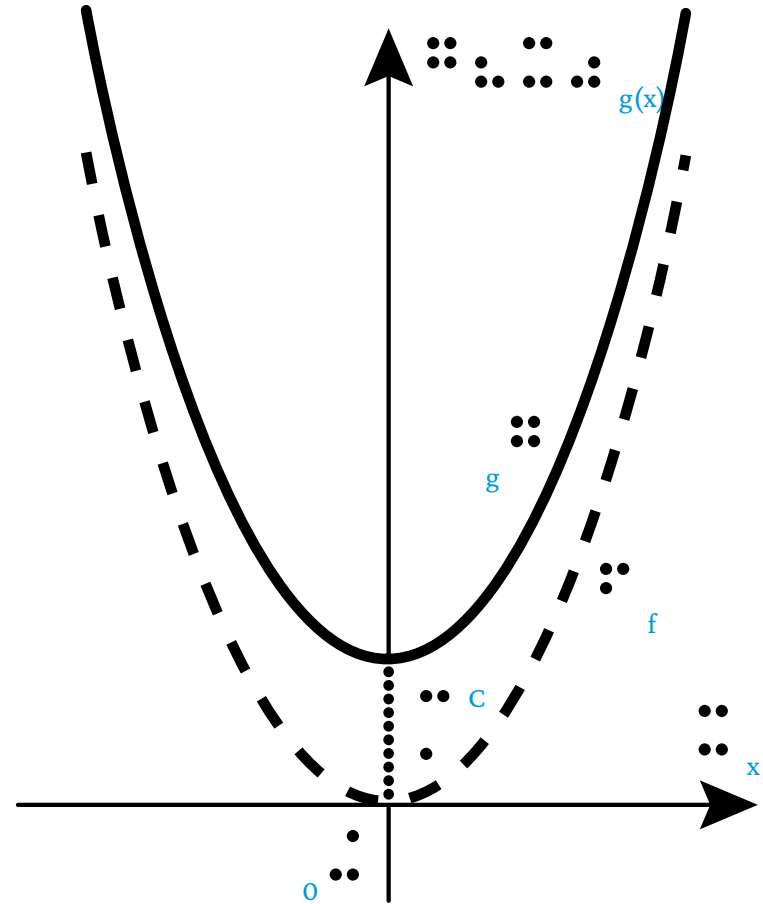
S.54 Veränderungen von Funktionsgraphen 1/2

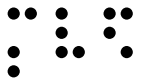


Grundfunktion $f: x \rightarrow x^2$

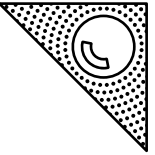
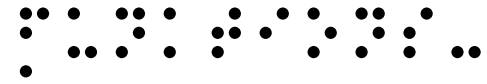
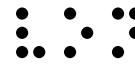
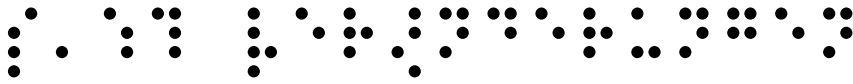


$g(x) = f(x) + c$

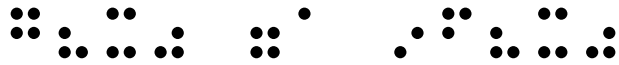




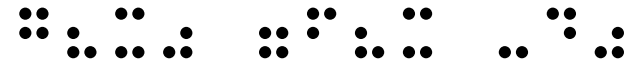
Mv6



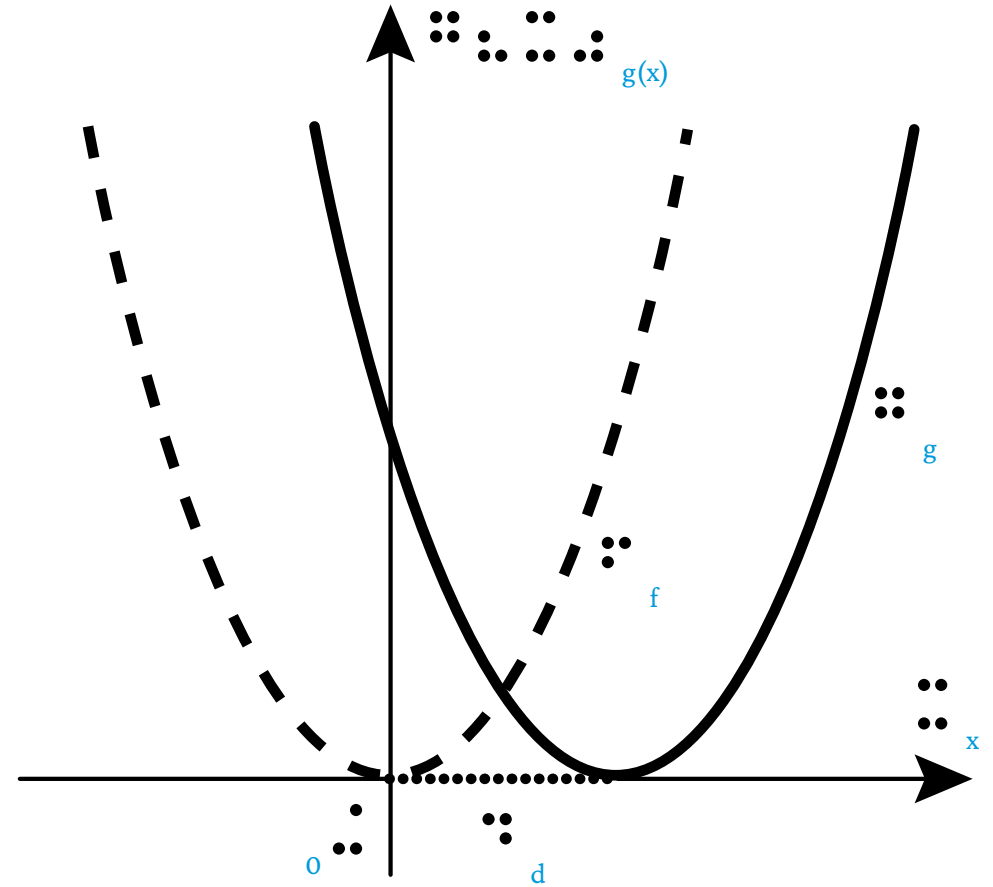
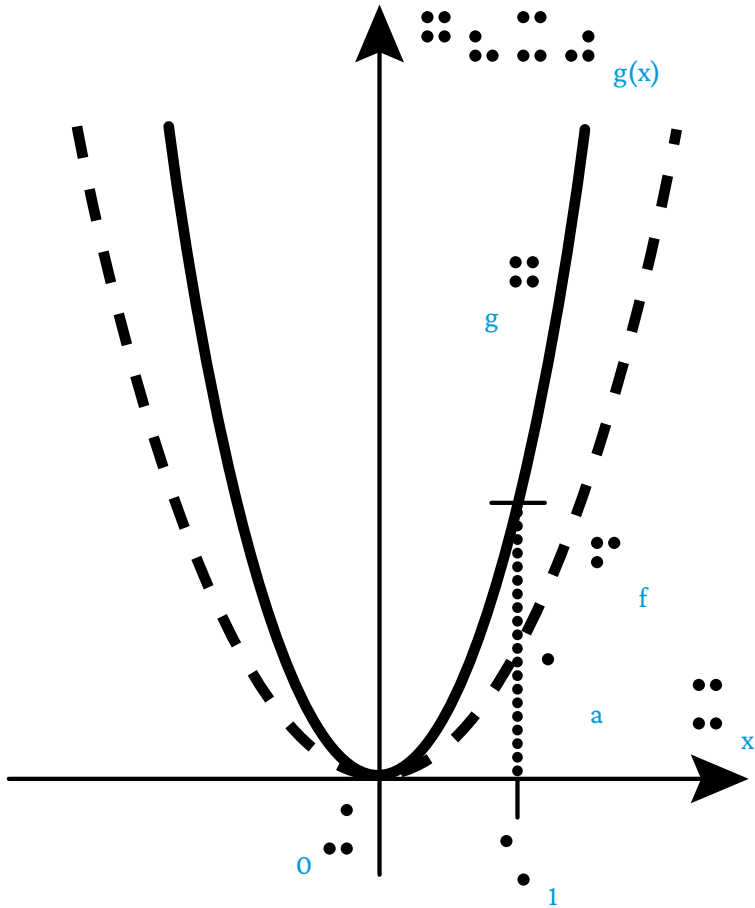
S.54 Veränderungen von Funktionsgraphen 2/2

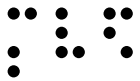


$g(x) = a \cdot f(x)$



$g(x) = f(x - d)$

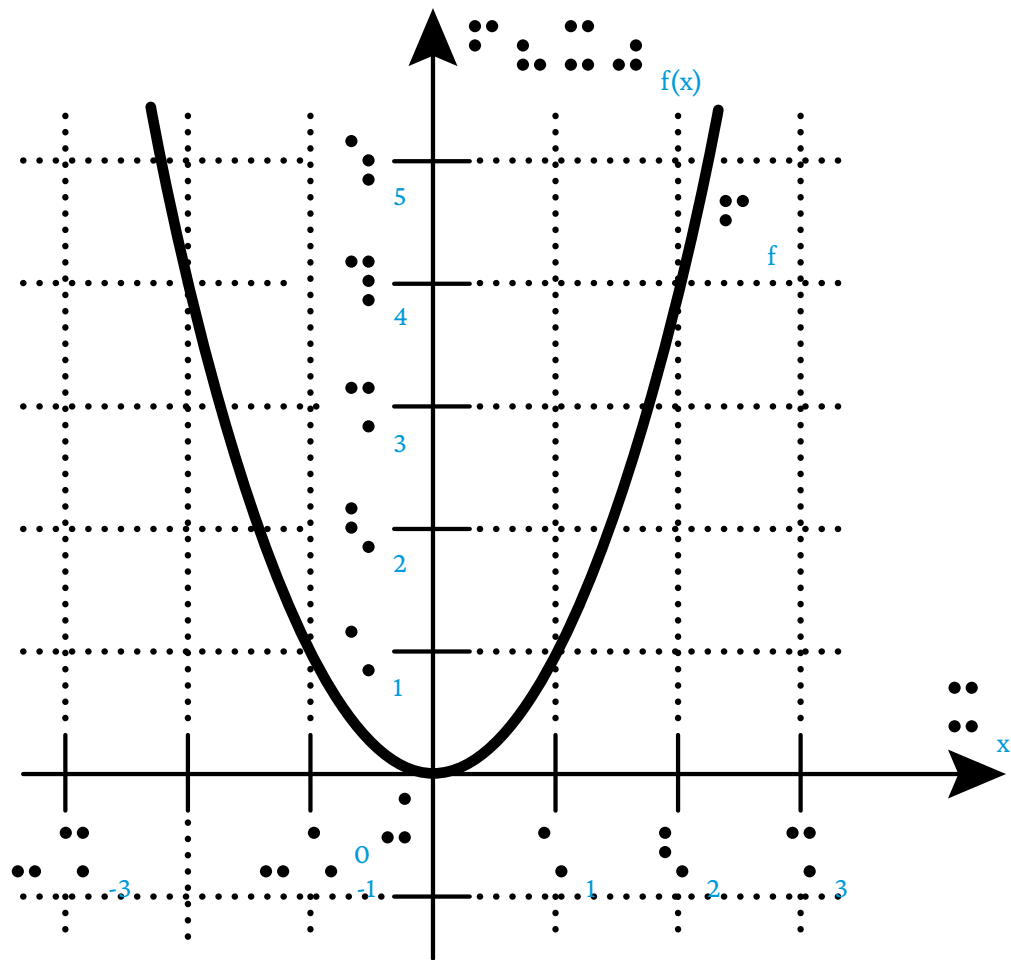




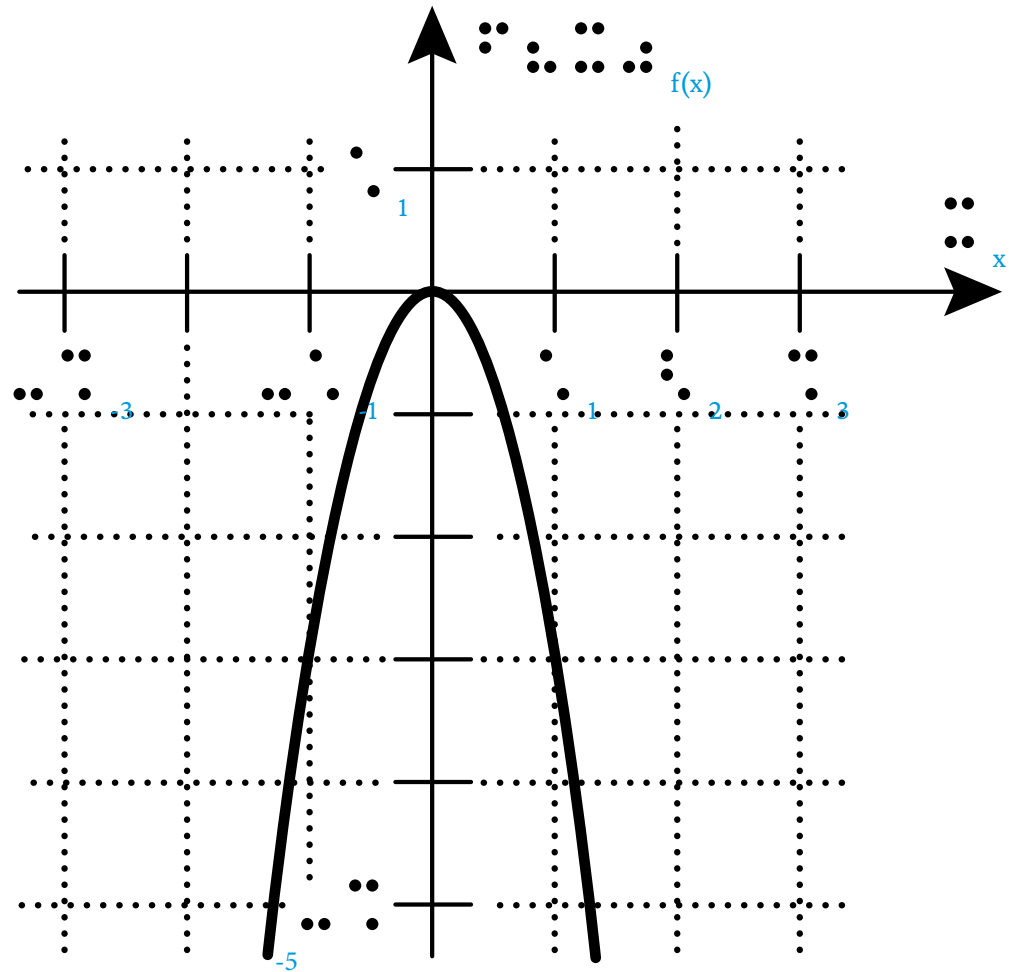
Mv6



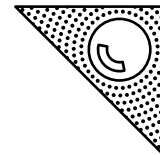
a)

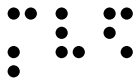


b)



S.54 3.28 a, b



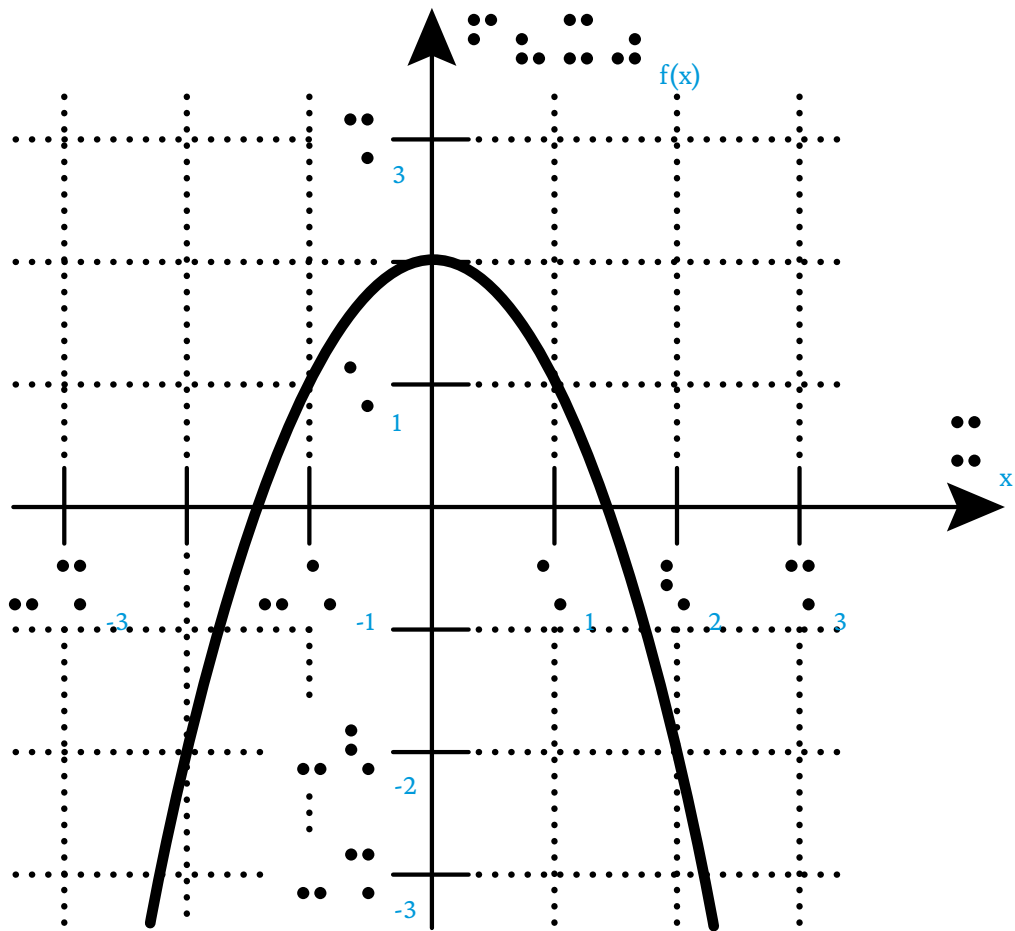
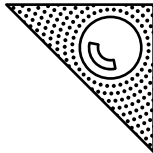


Mv6

c)

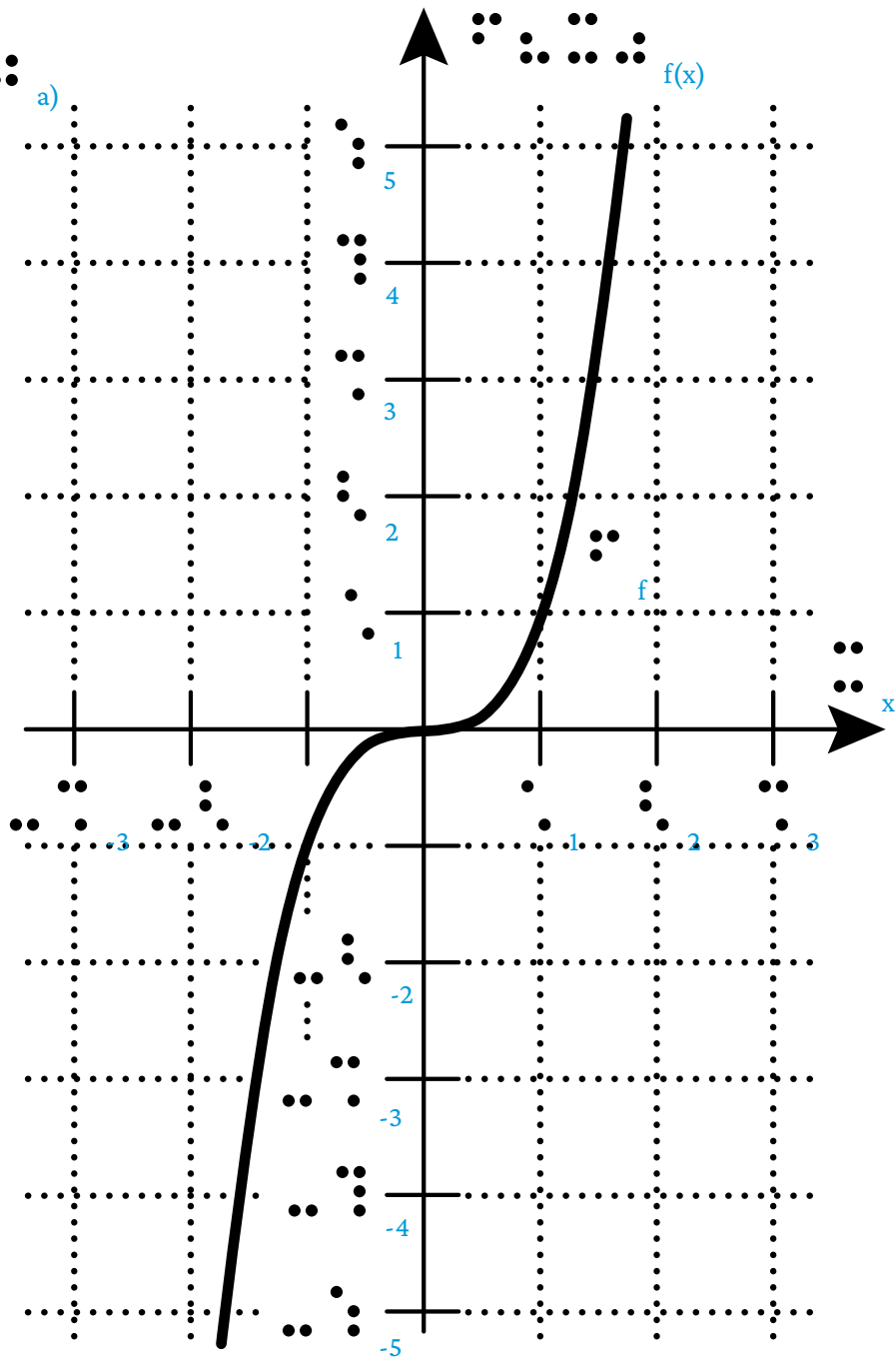


S.54 3.28 a, b



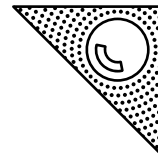
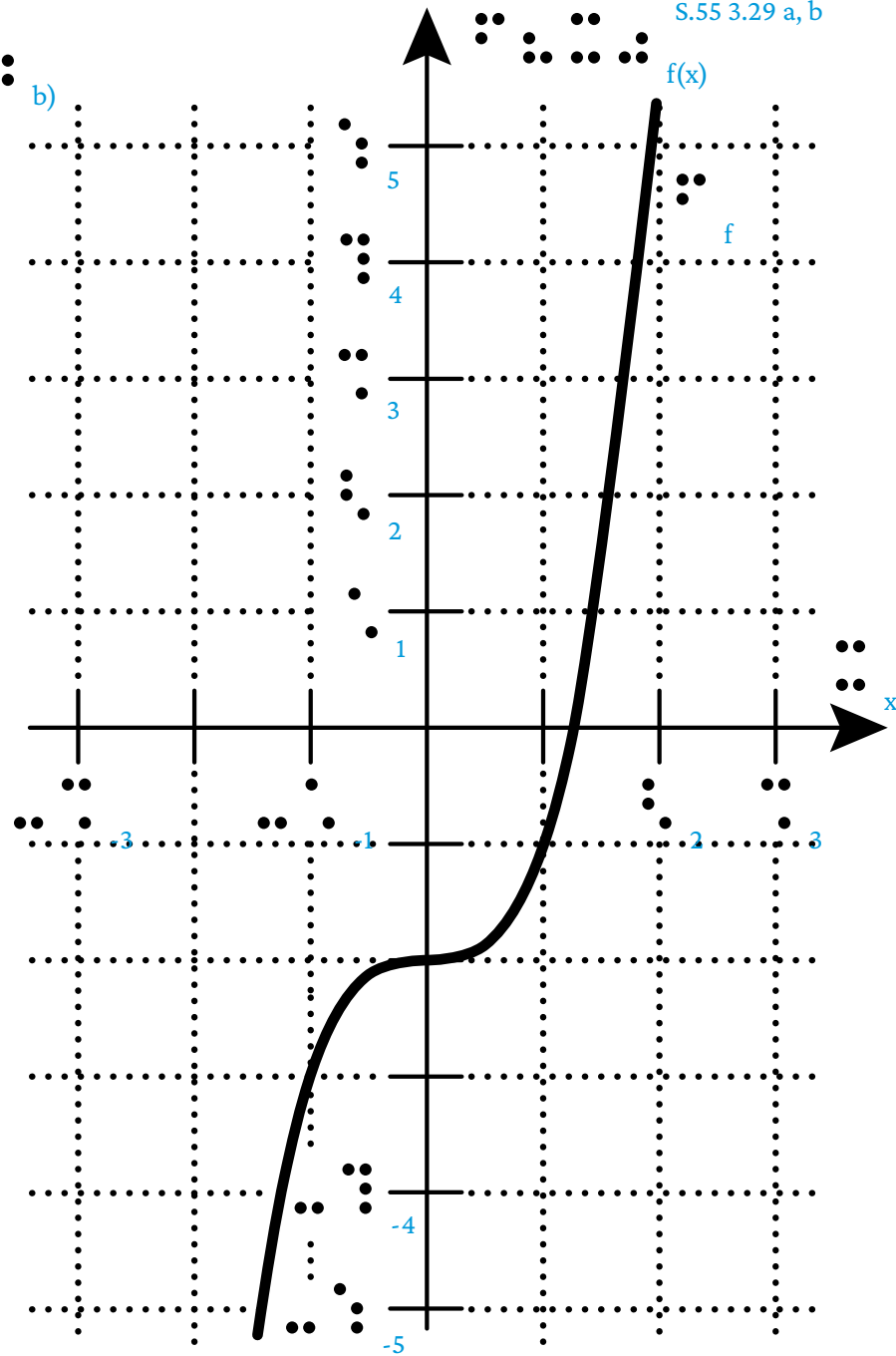
Mv6

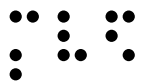
a)



S.55 3.29 a, b

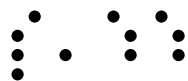
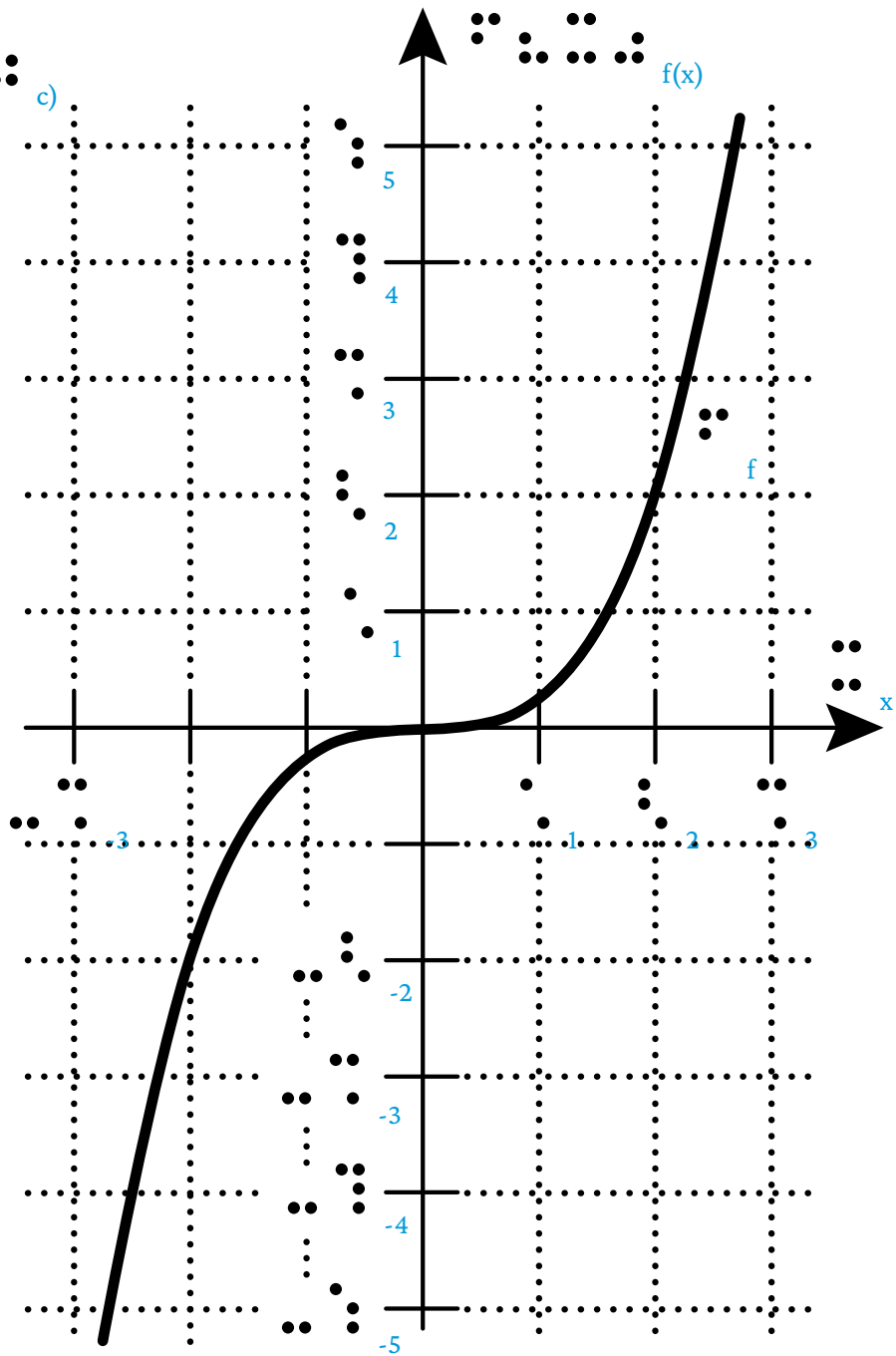
b)



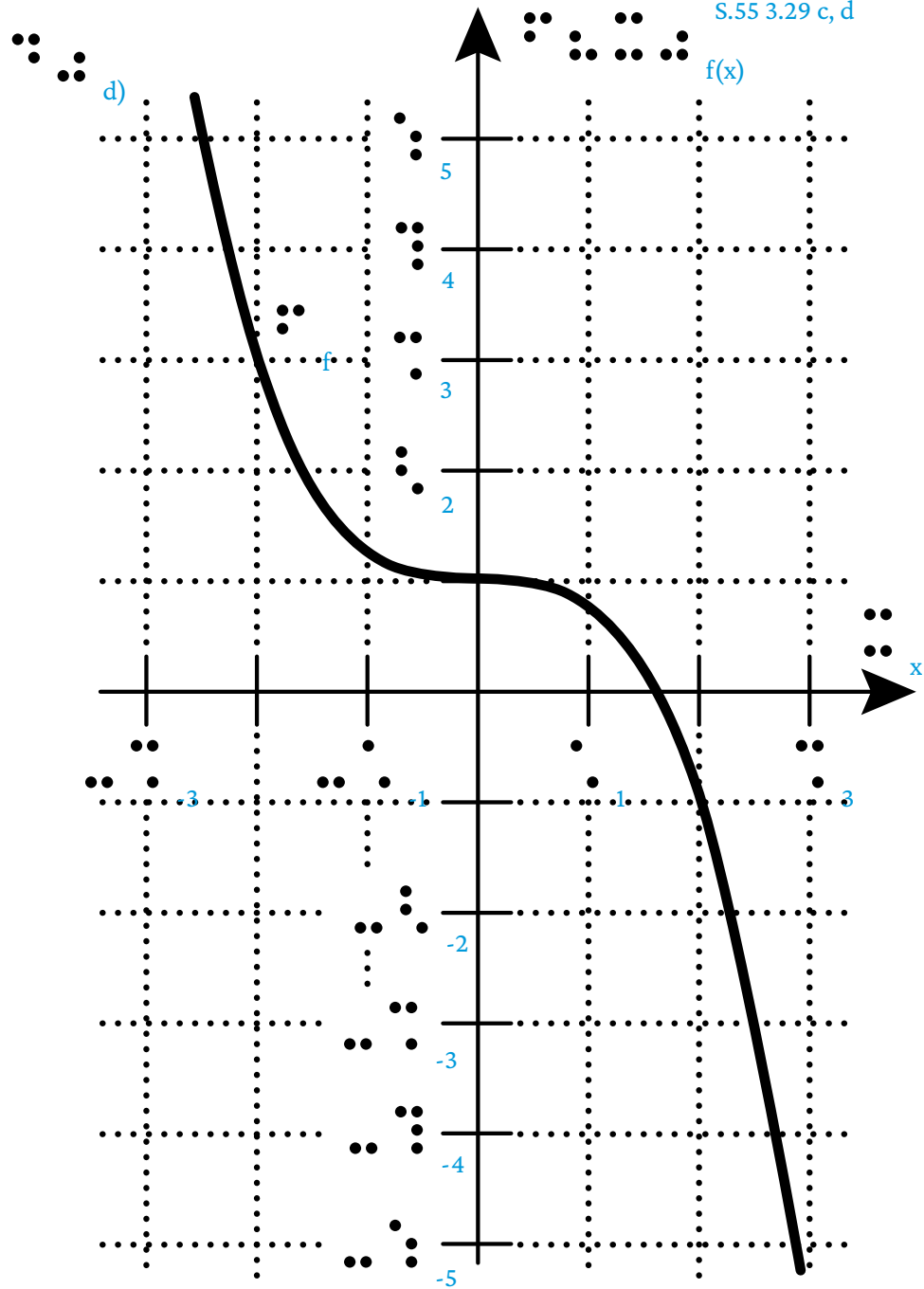


Mv6

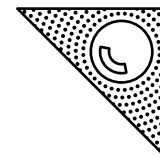
c)



d)



S.55 3.29 c, d

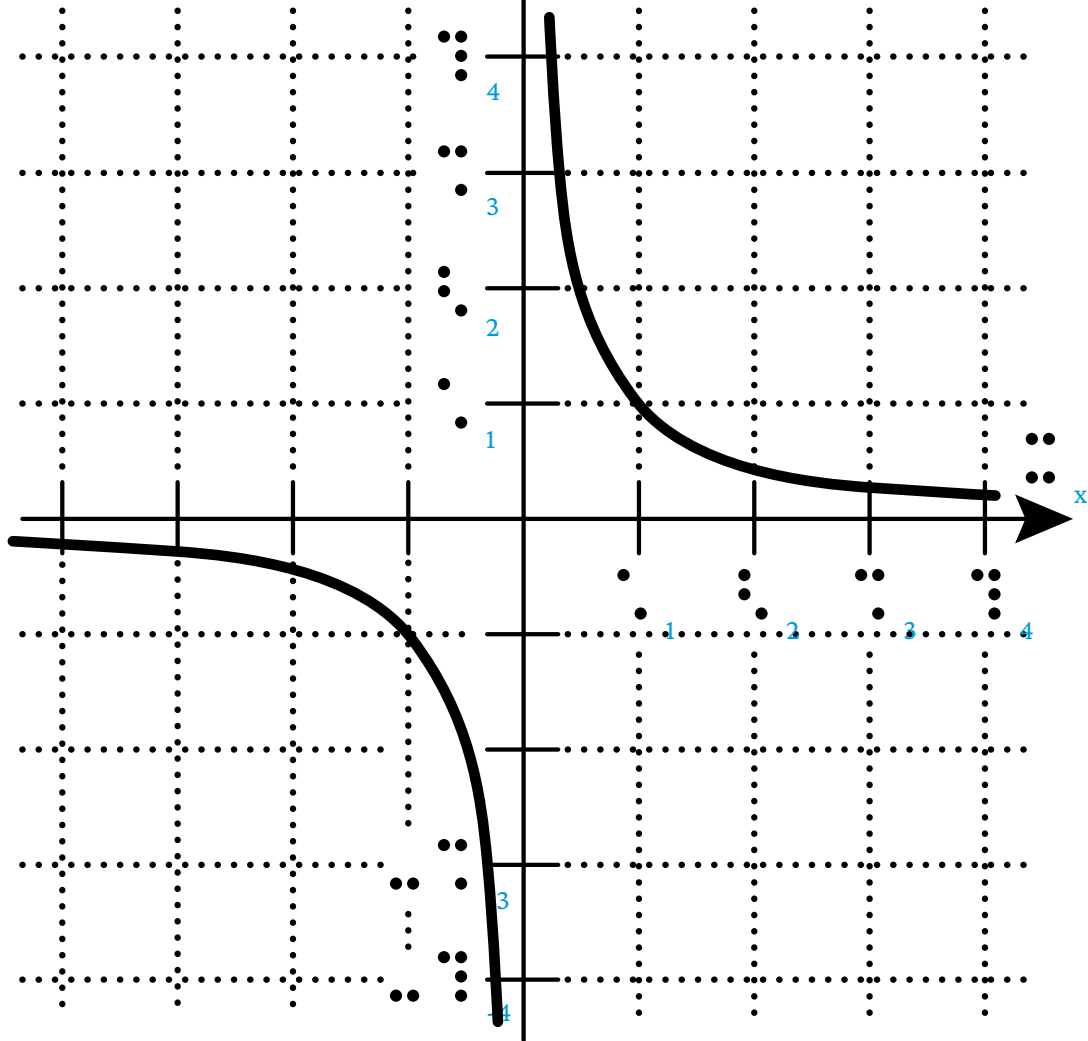




Mv6

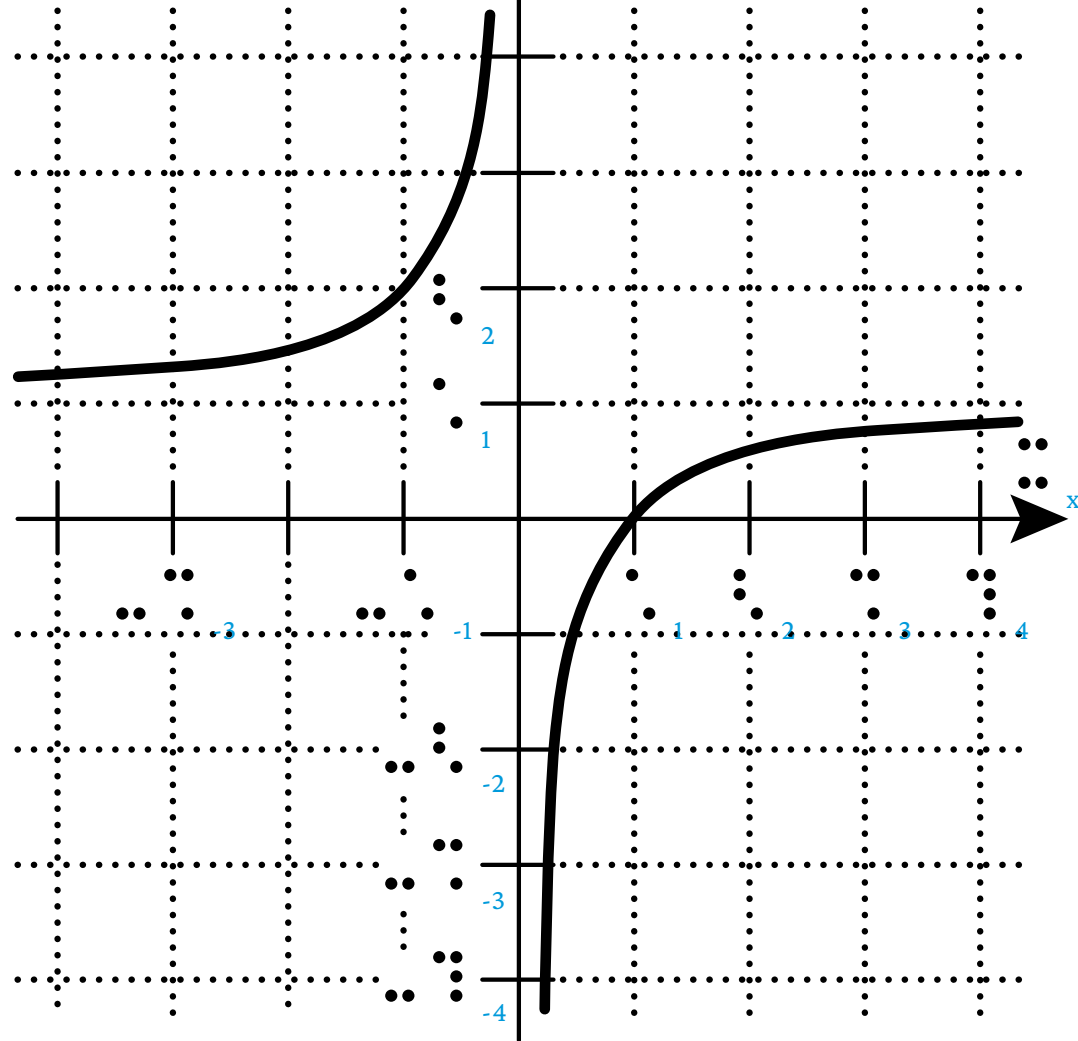
a)

$f(x)$



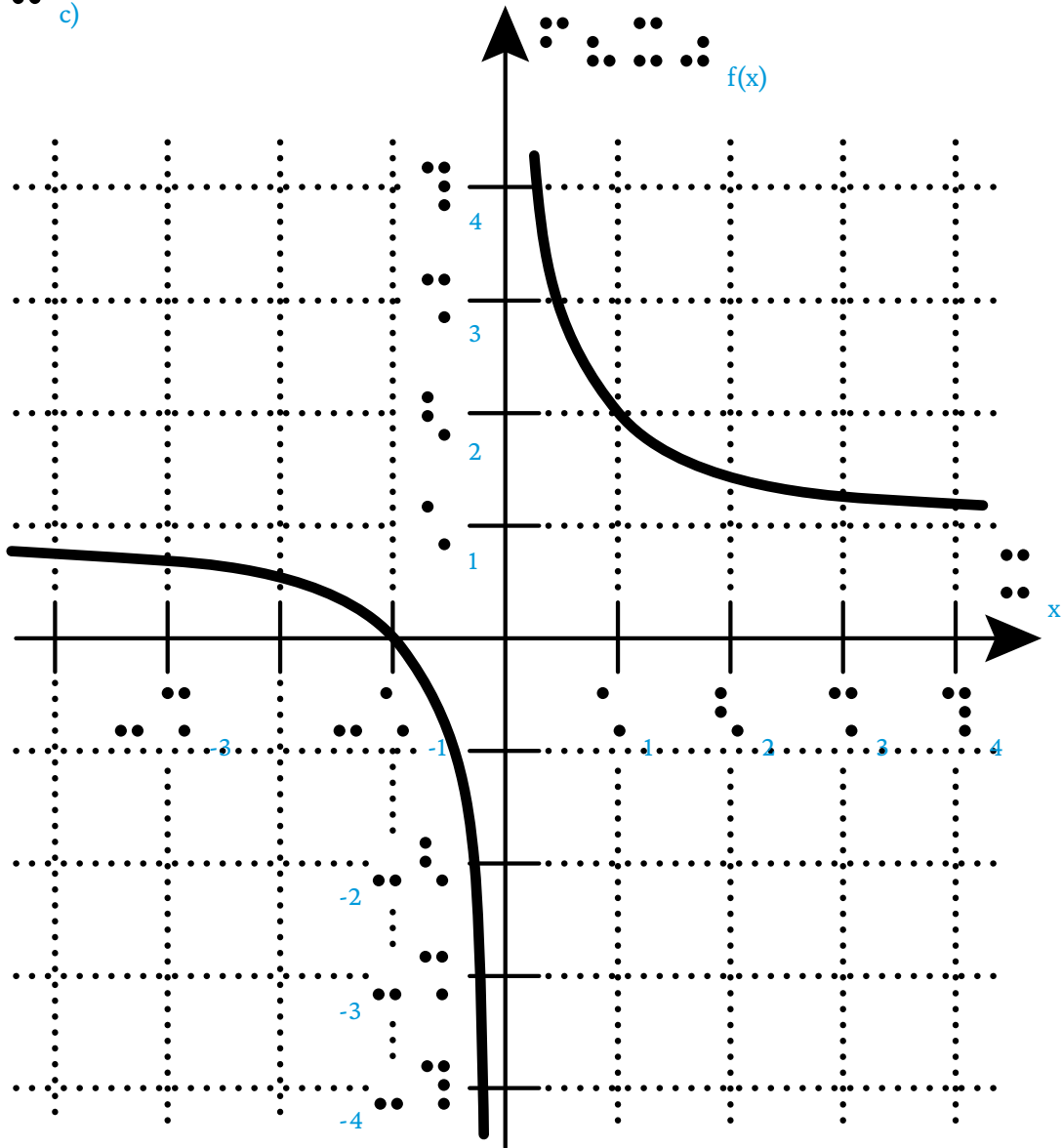
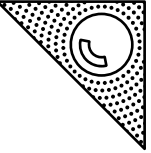
b)

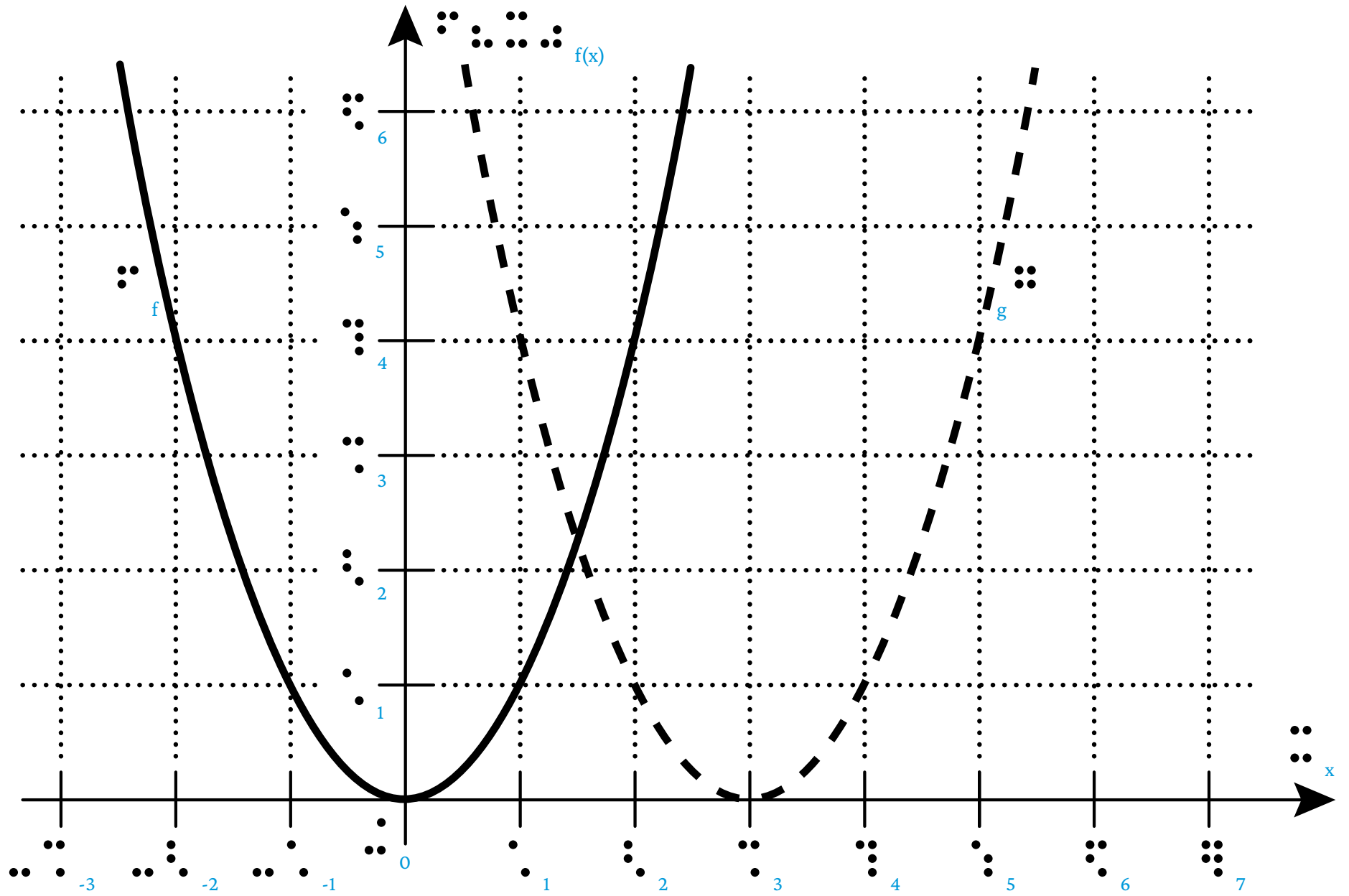
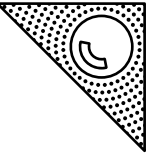
$f(x)$

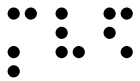


S.55 3.30 a, b





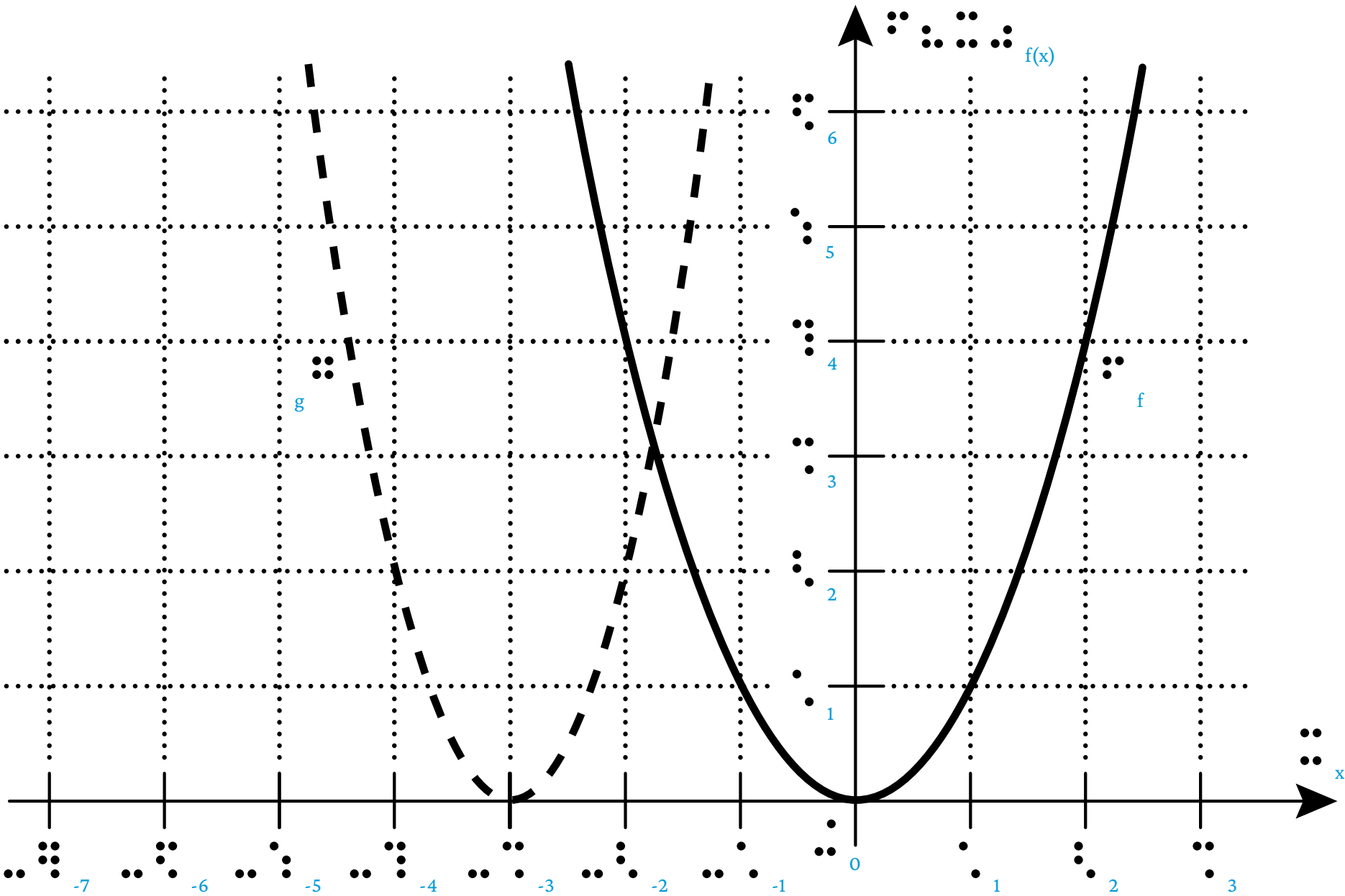


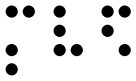


Mv6



S.55 3.31 b

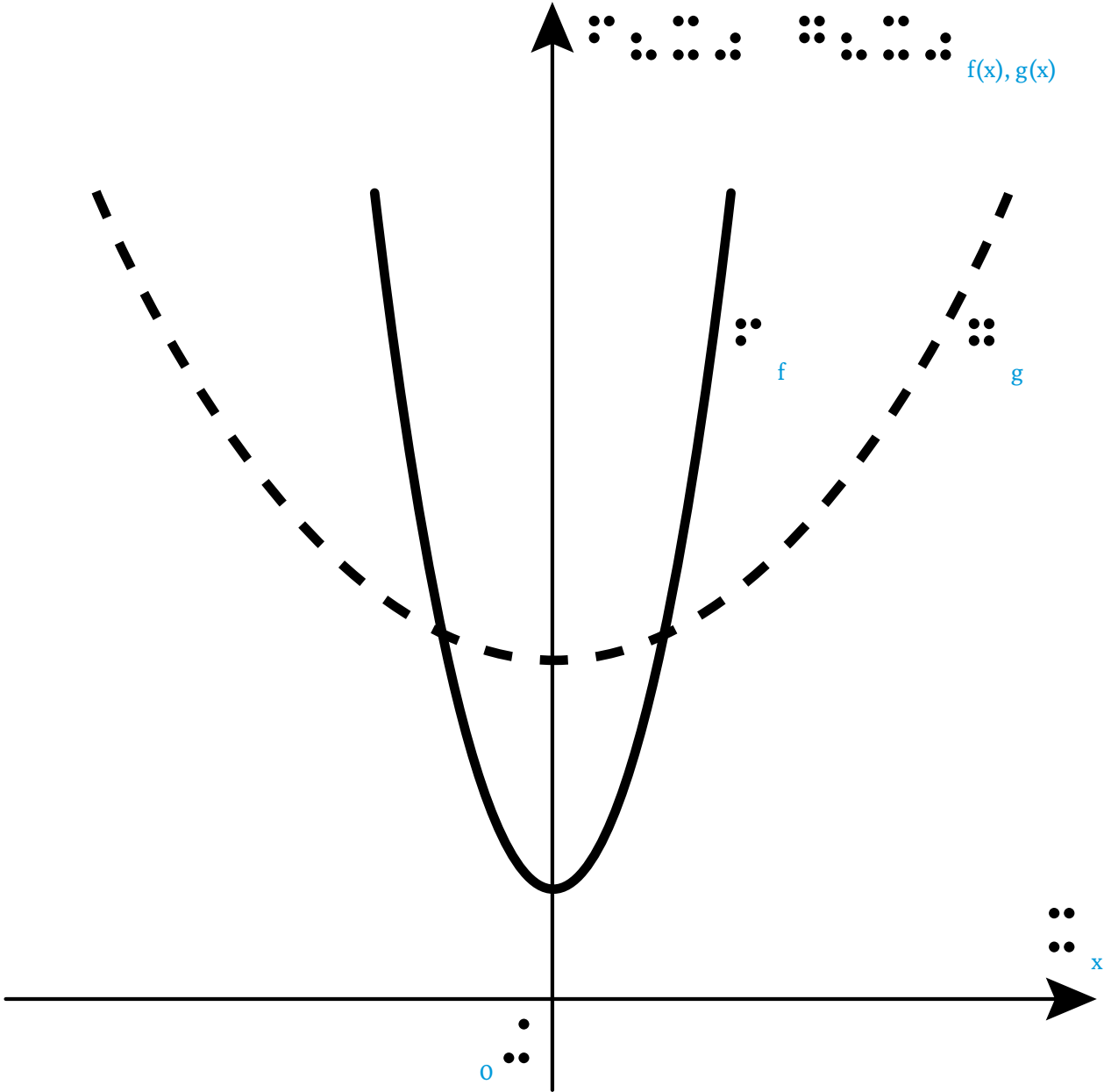
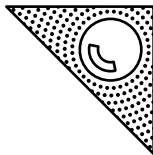


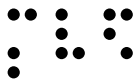


Mv6

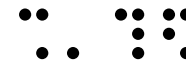
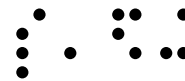


S.60 3.44

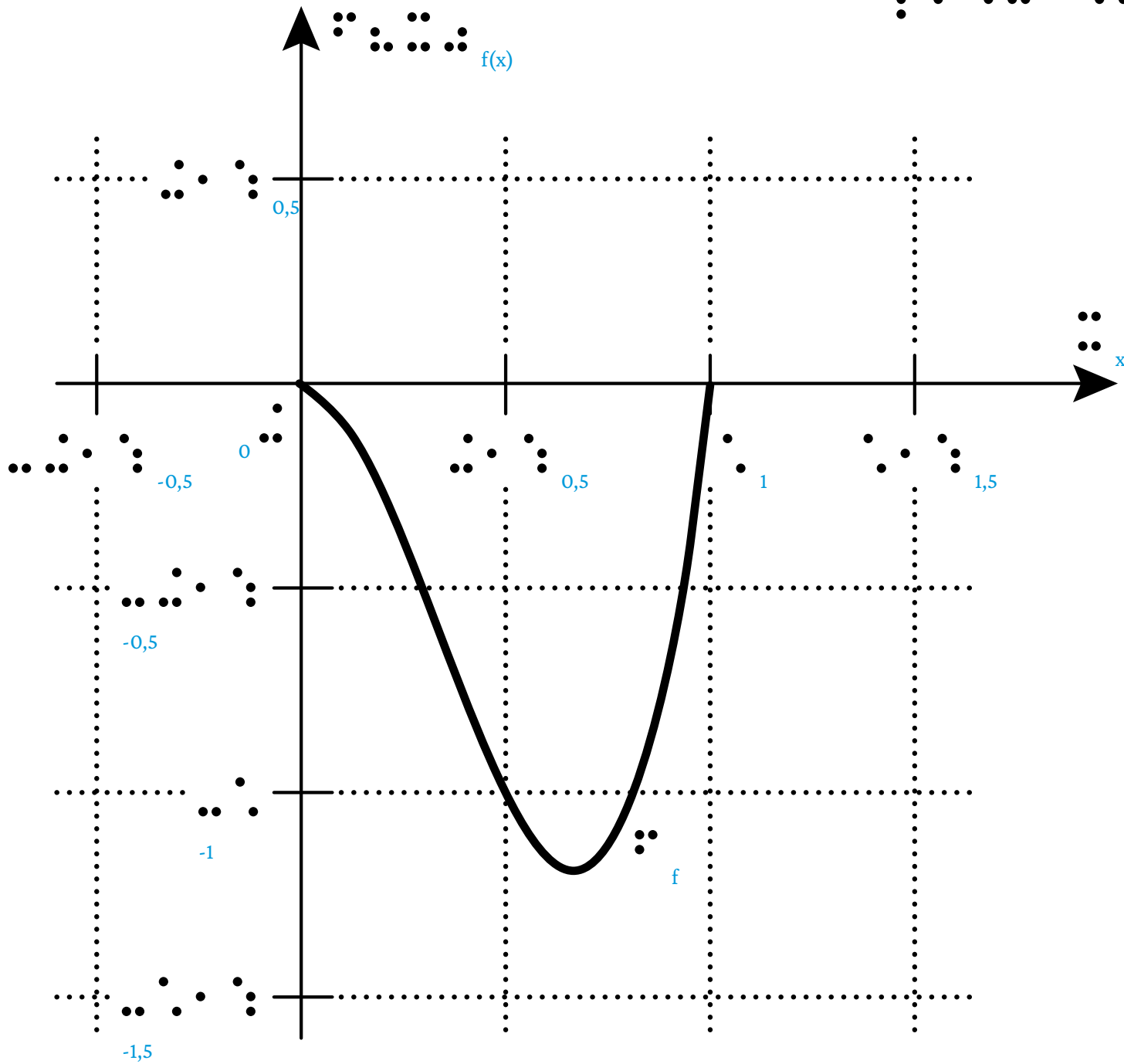
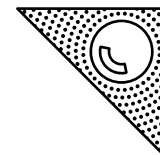


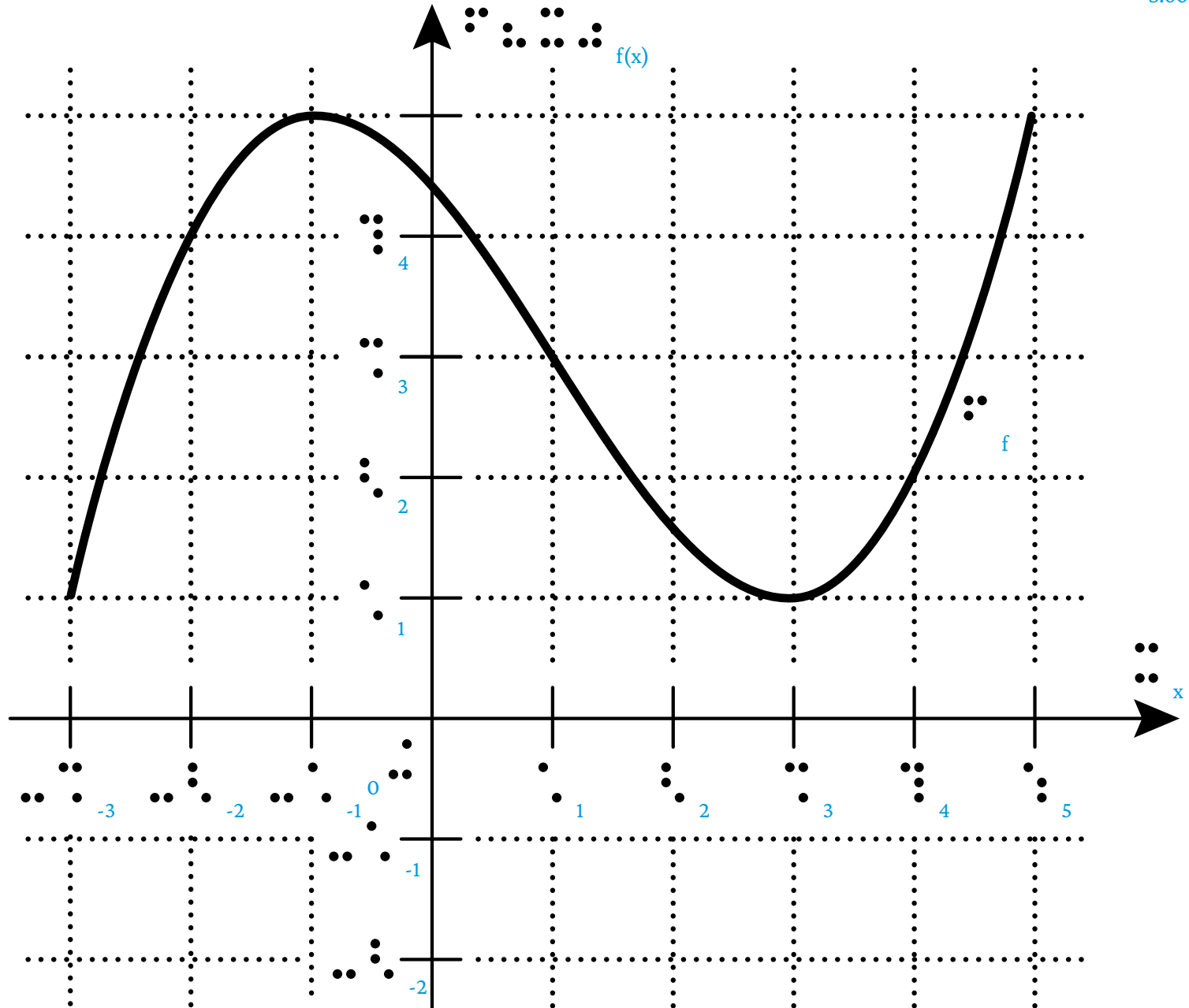
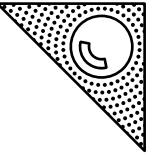


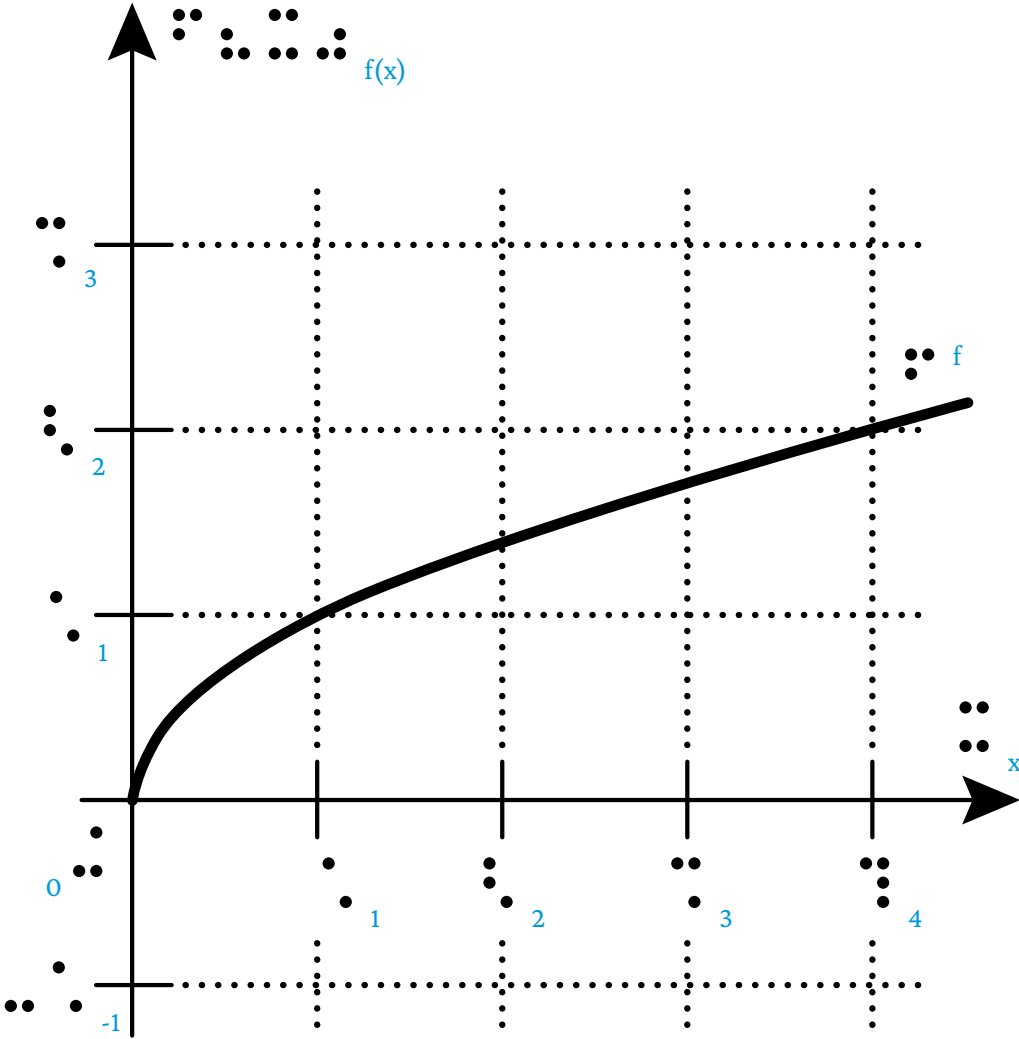
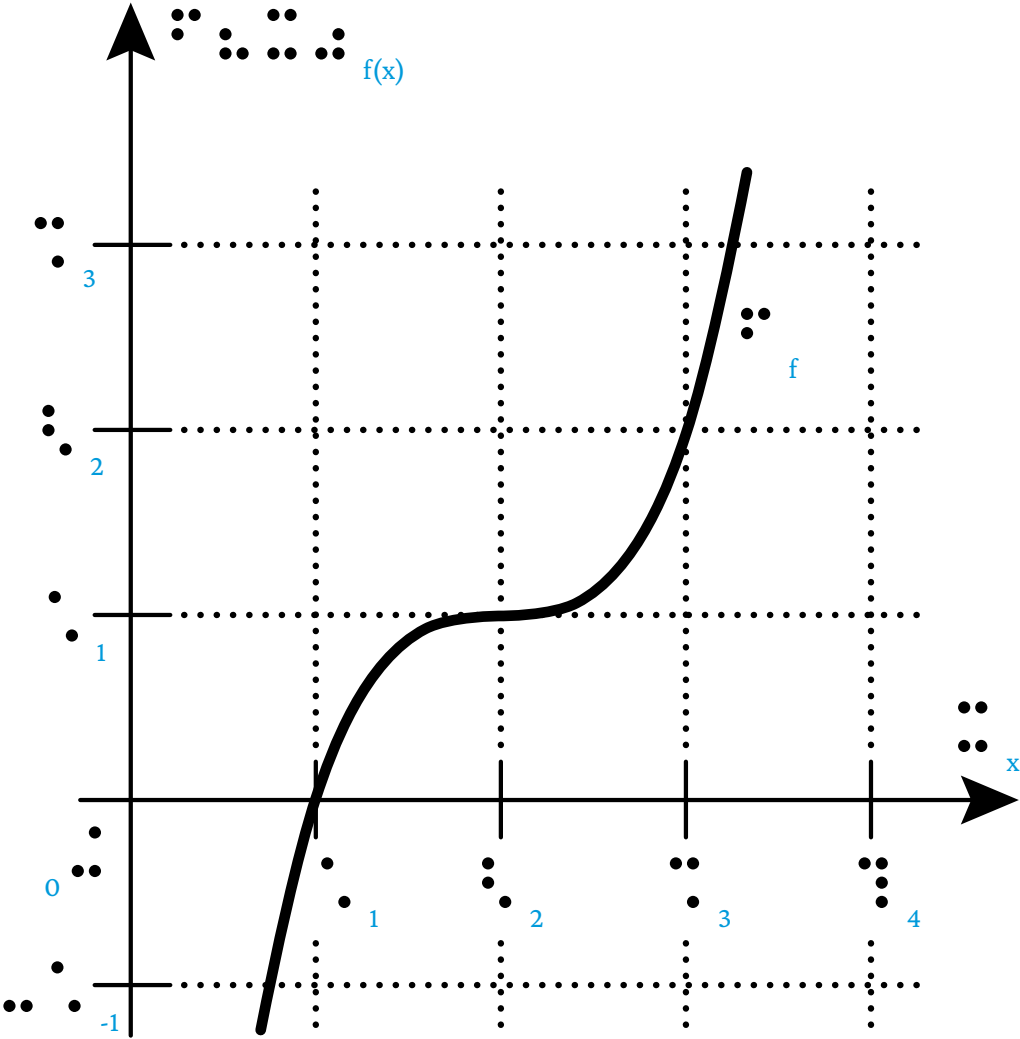
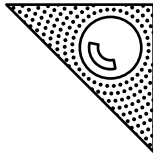
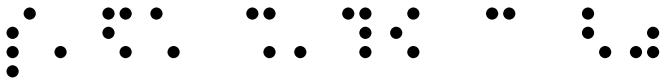
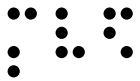
Mv6



S.60 3.46







Mathematik verstehen 6

Mathematik verstehen 6

Exponential- und Logarithmusfunktionen

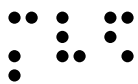
Exponential- und Logarithmusfunktionen

Kapitel 4 - Exponential- und Logarithmusfunktionen

Mathematik verstehen 6

4

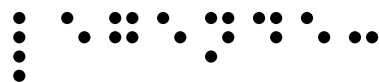
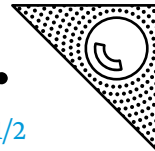
Exponential- und Logarithmusfunktionen



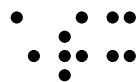
Mv6



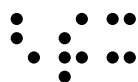
S.64 Satz 1/2



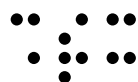
Legende:



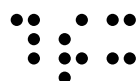
1^x



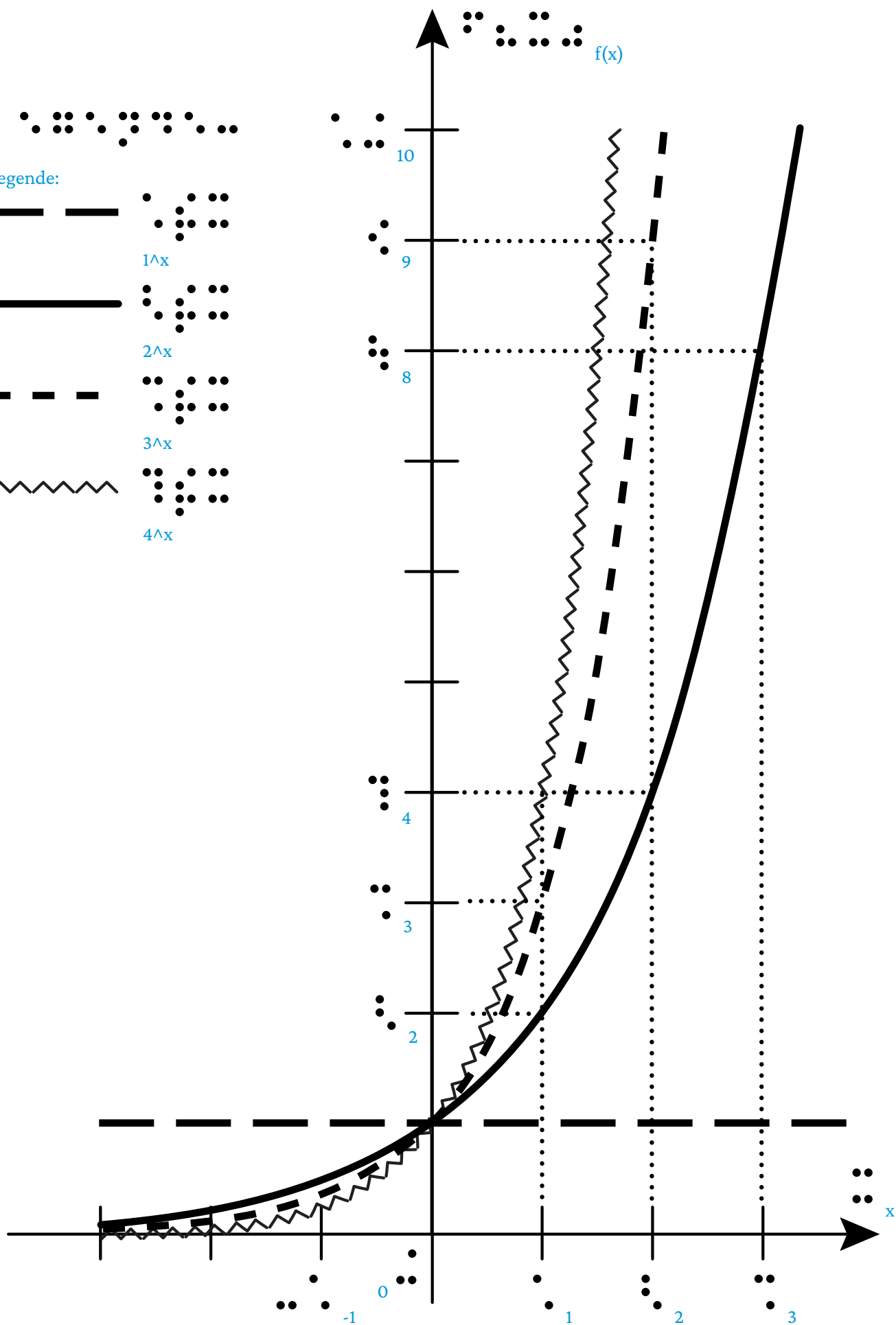
2^x

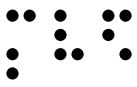


3^x

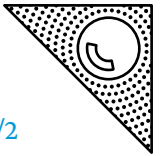


4^x

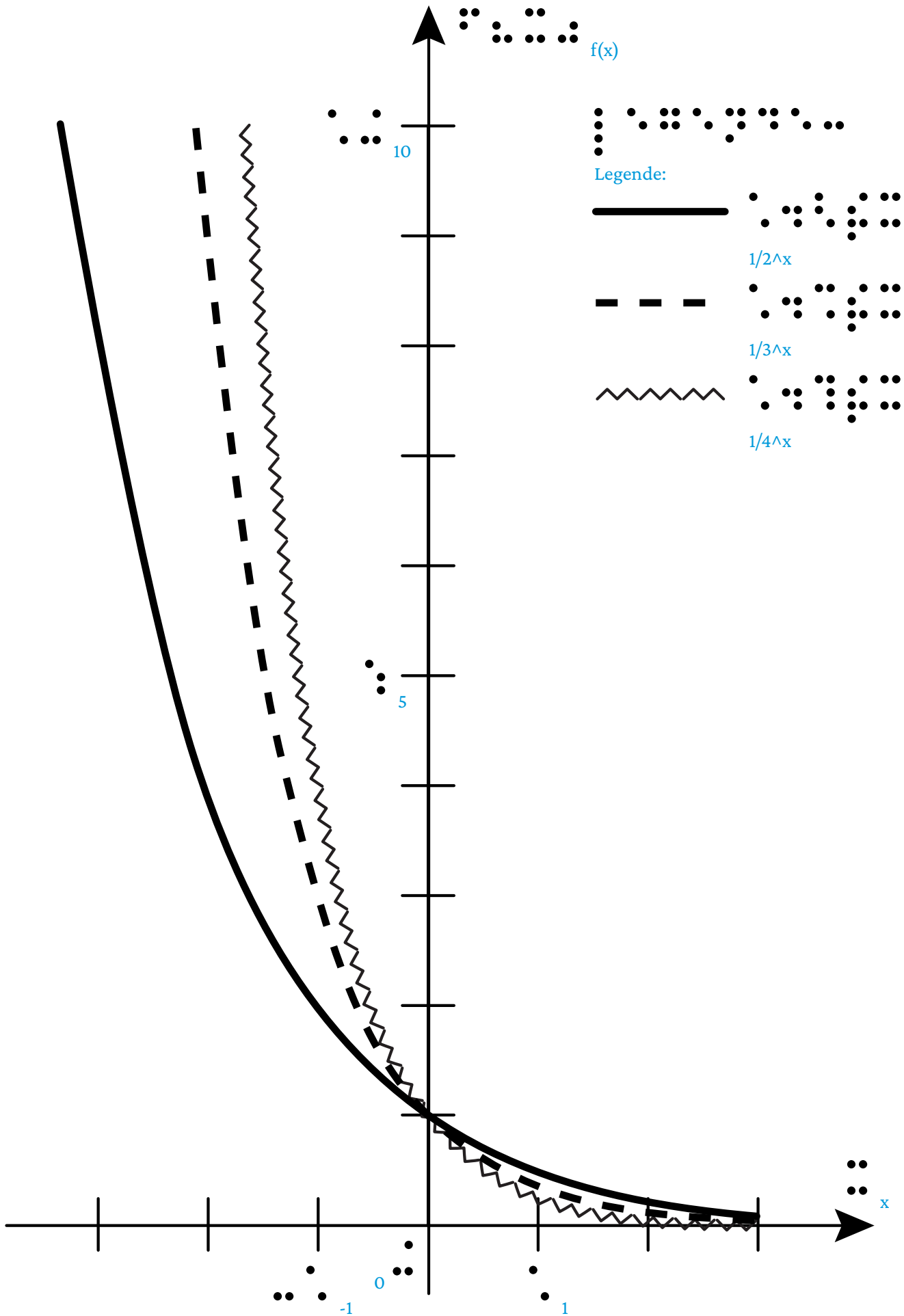


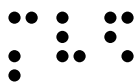


Mv6

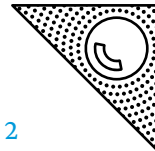


S.64 Satz 2/2





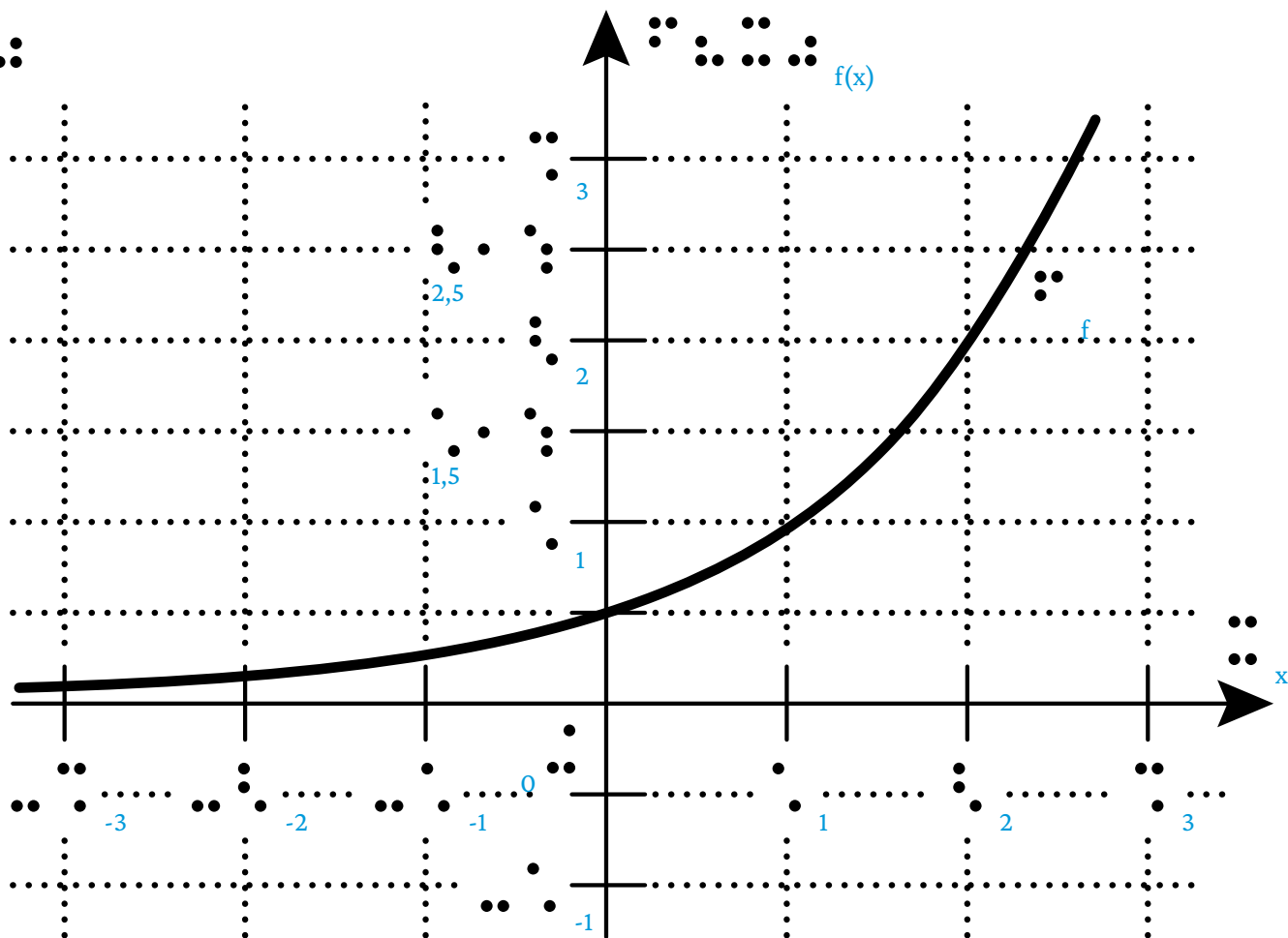
Mv6



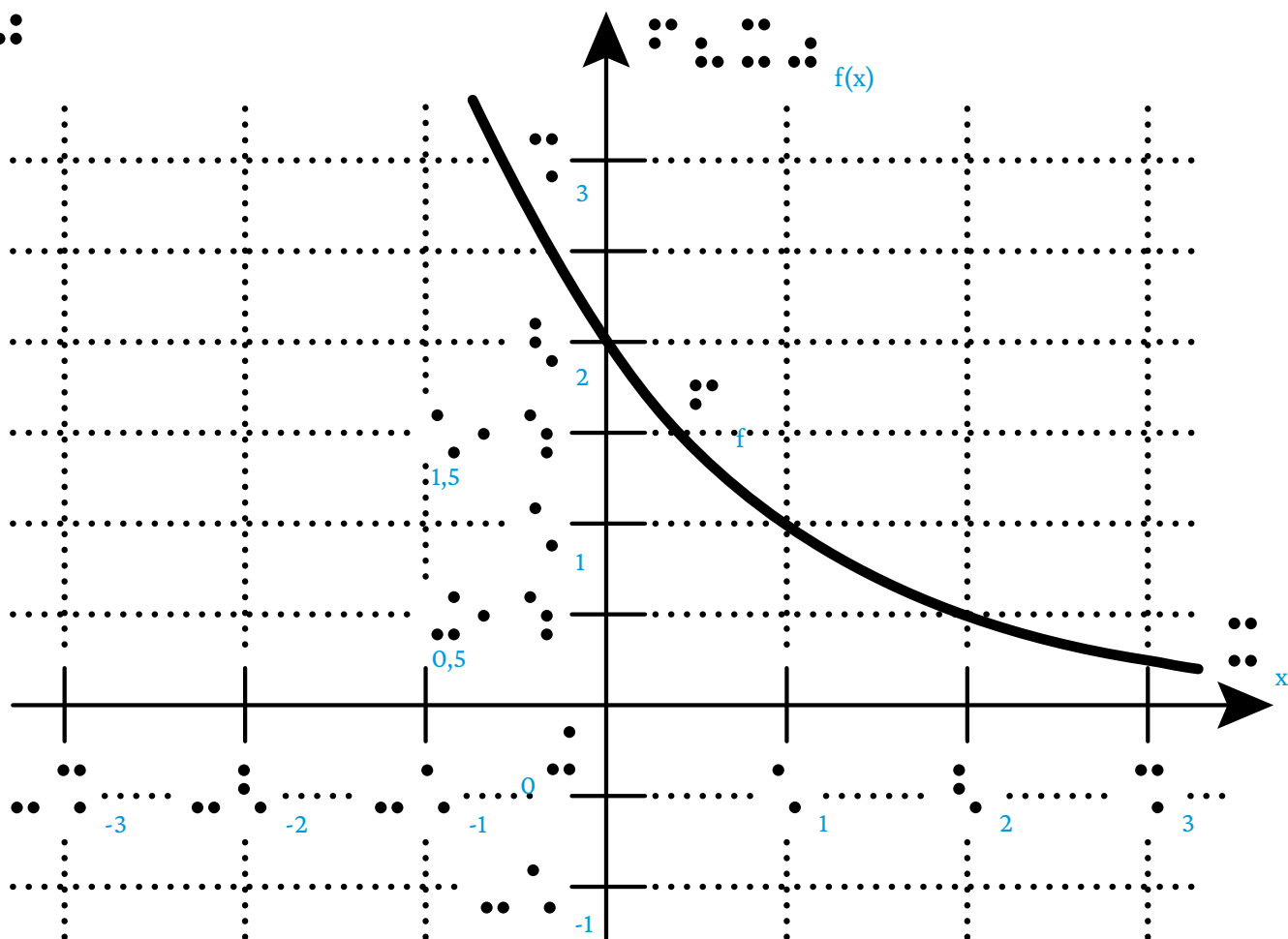
S.65 4.04 1, 2

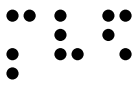


1)

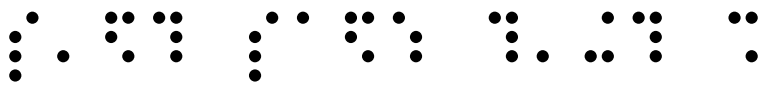


2)

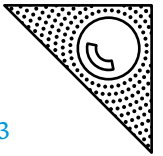




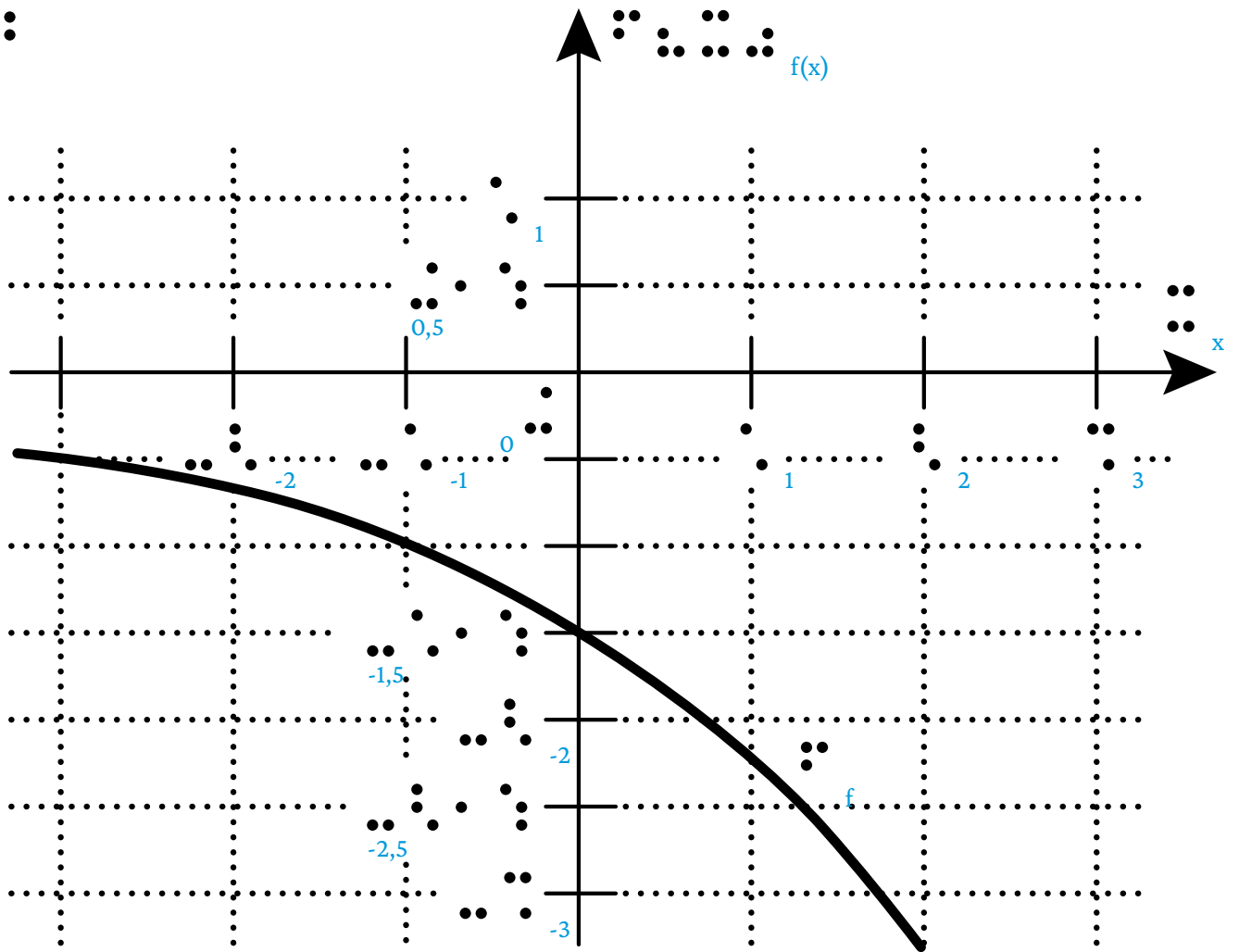
Mv6

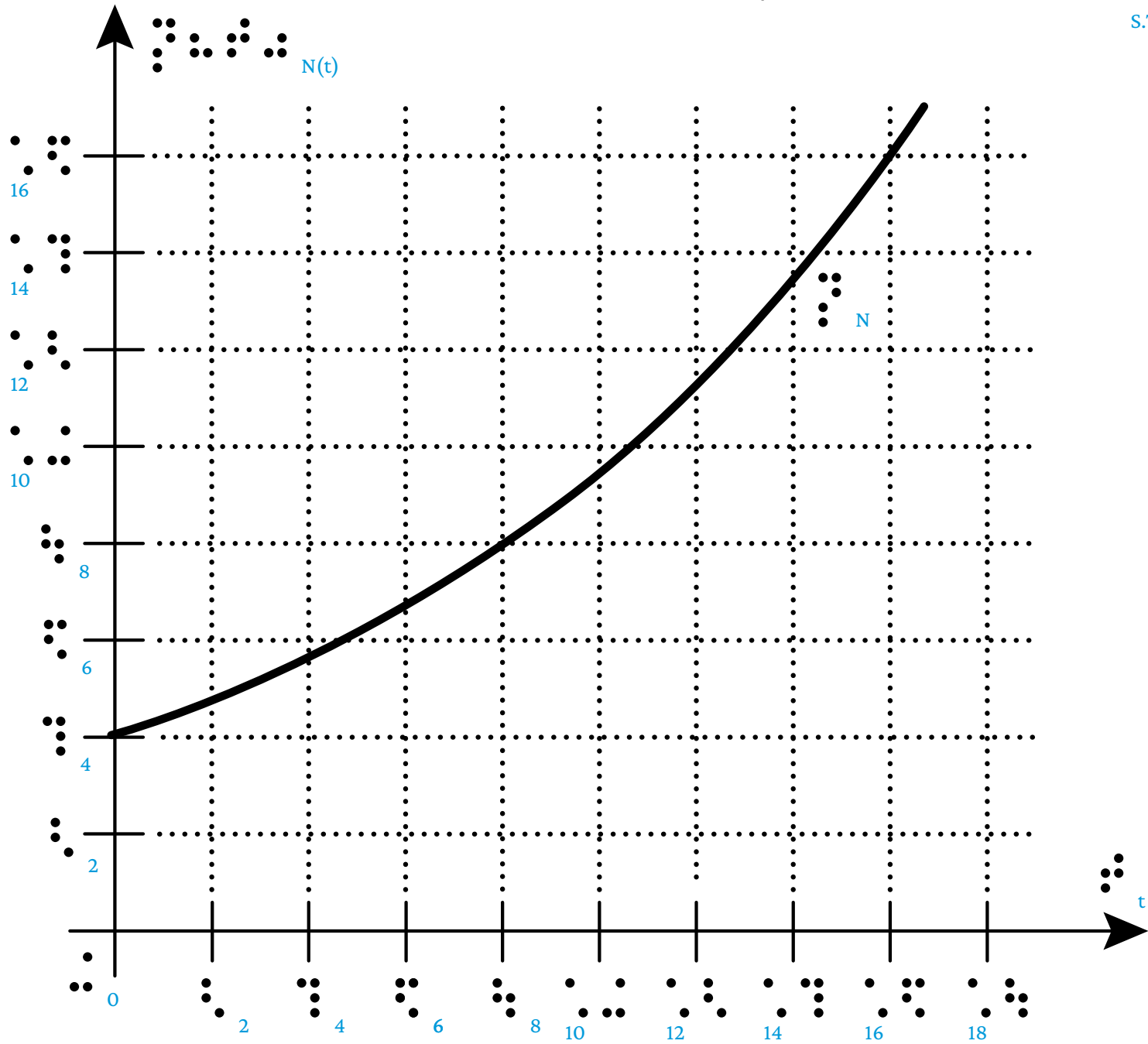


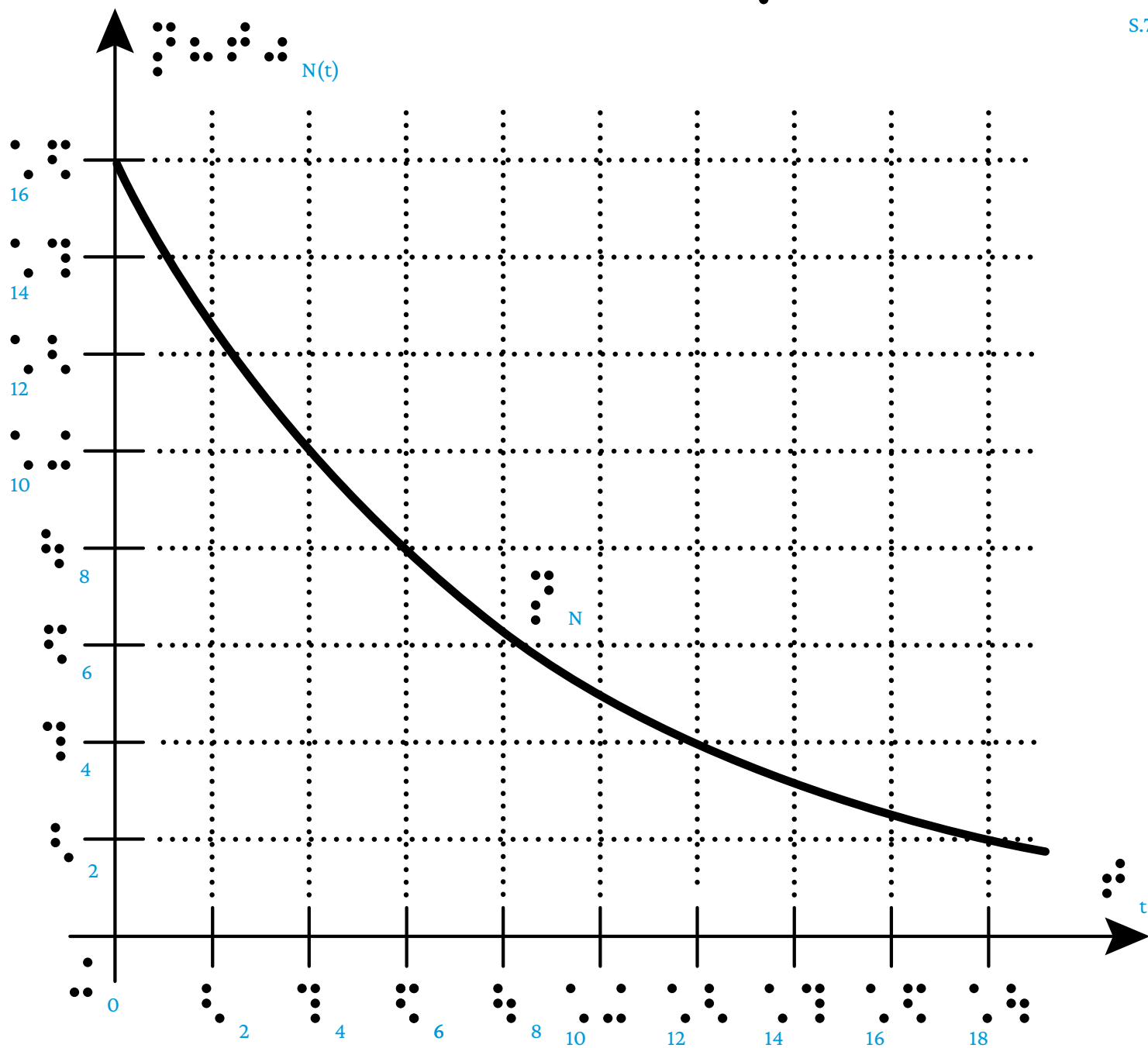
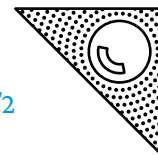
S.65 4.04 3

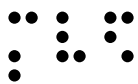


3)

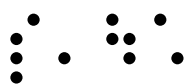




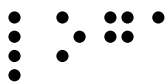
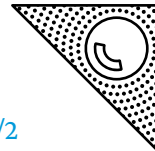




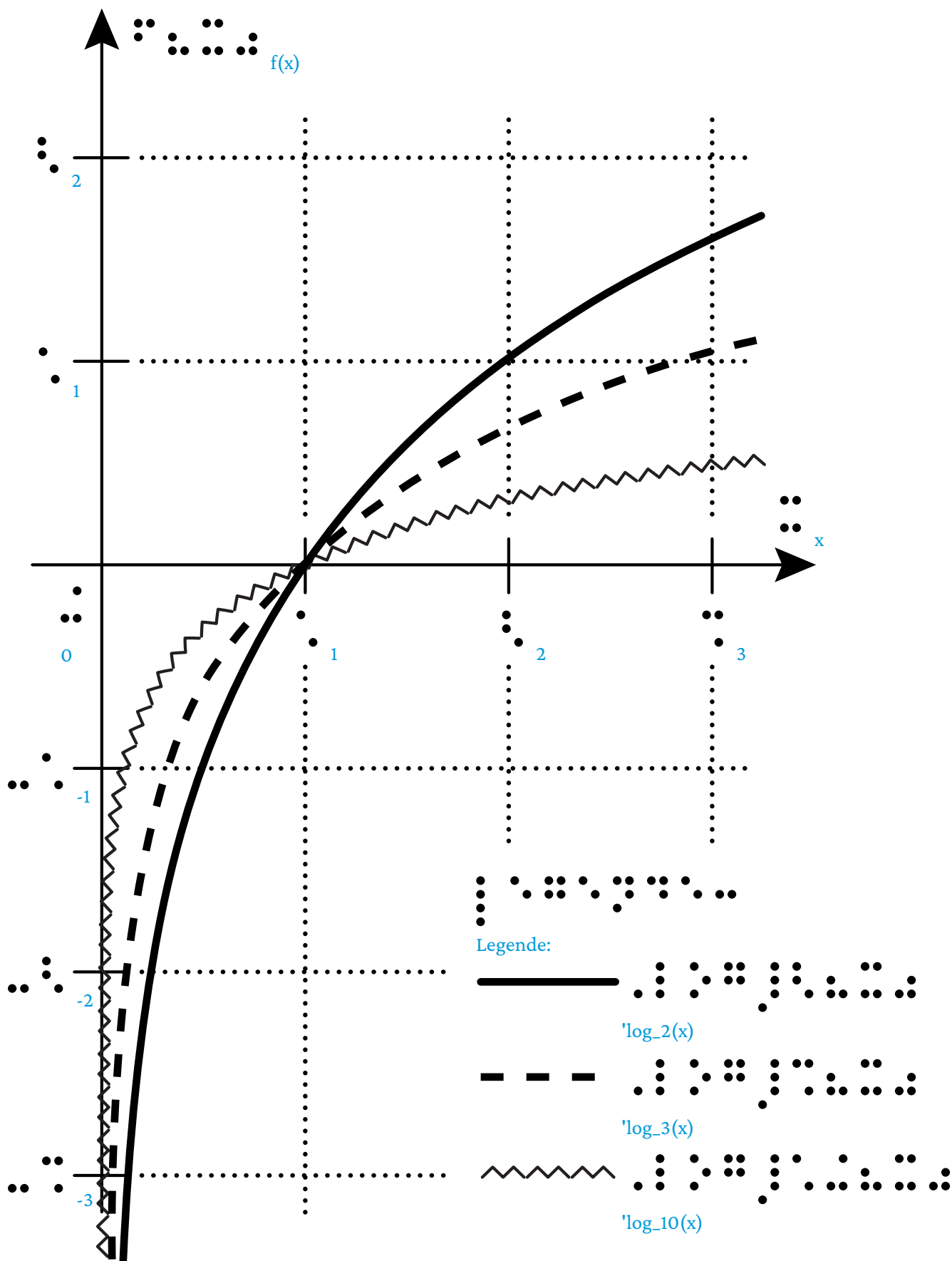
Mv6

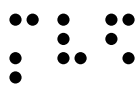


S.81 Definition 1/2

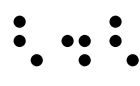
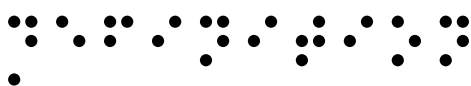
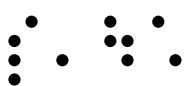


Logarithmusfunktionen mit $a > 1$

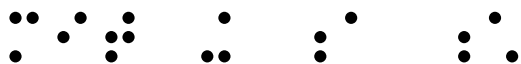
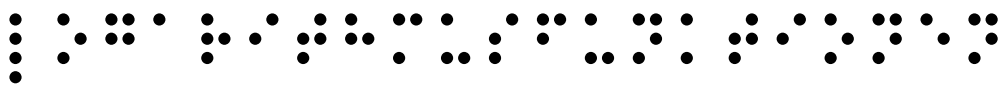




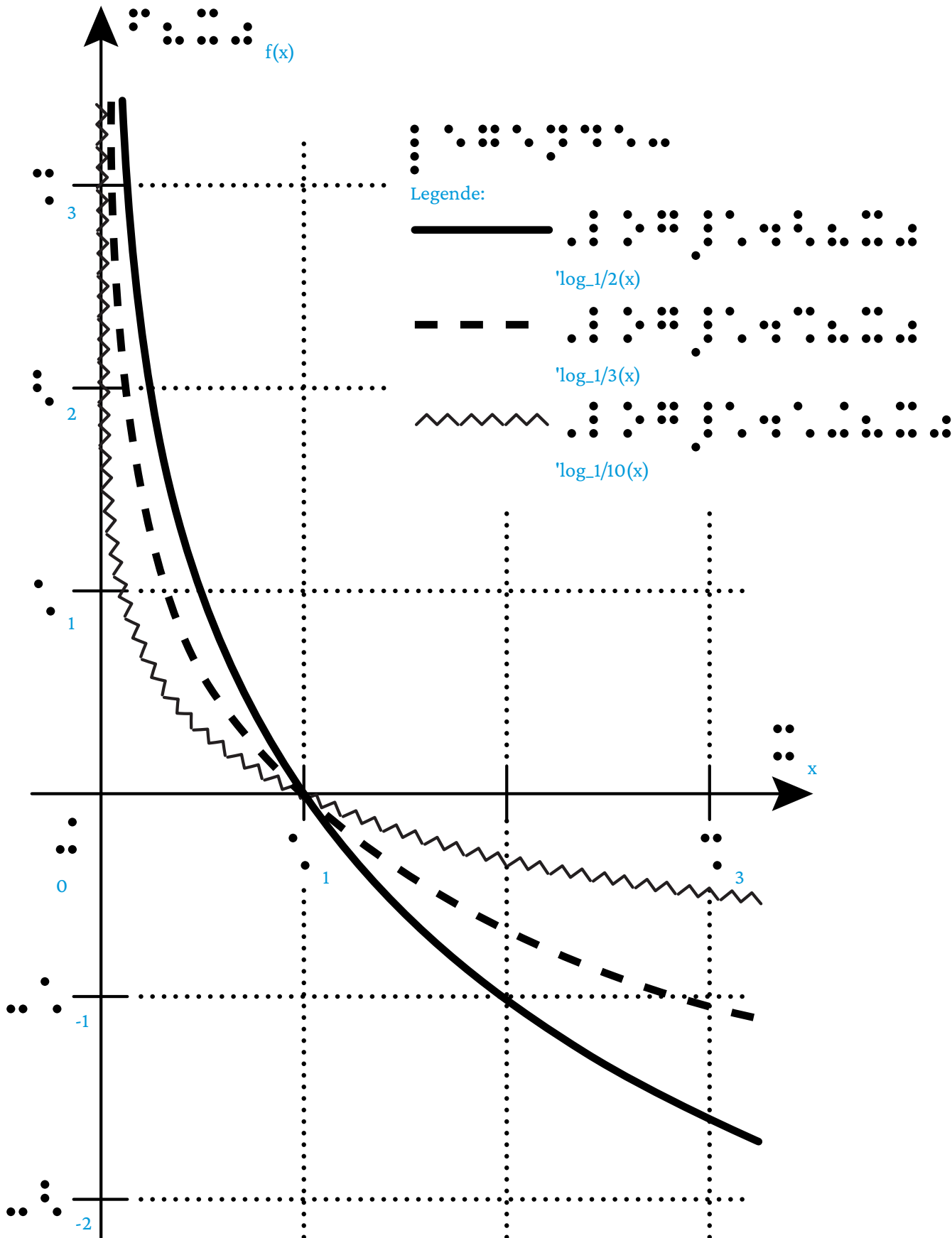
Mv6

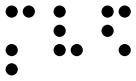


S.81 Definition 2/2



Logarithmusfunktionen mit $0 < a < 1$





Mv6



S.90 4.103

