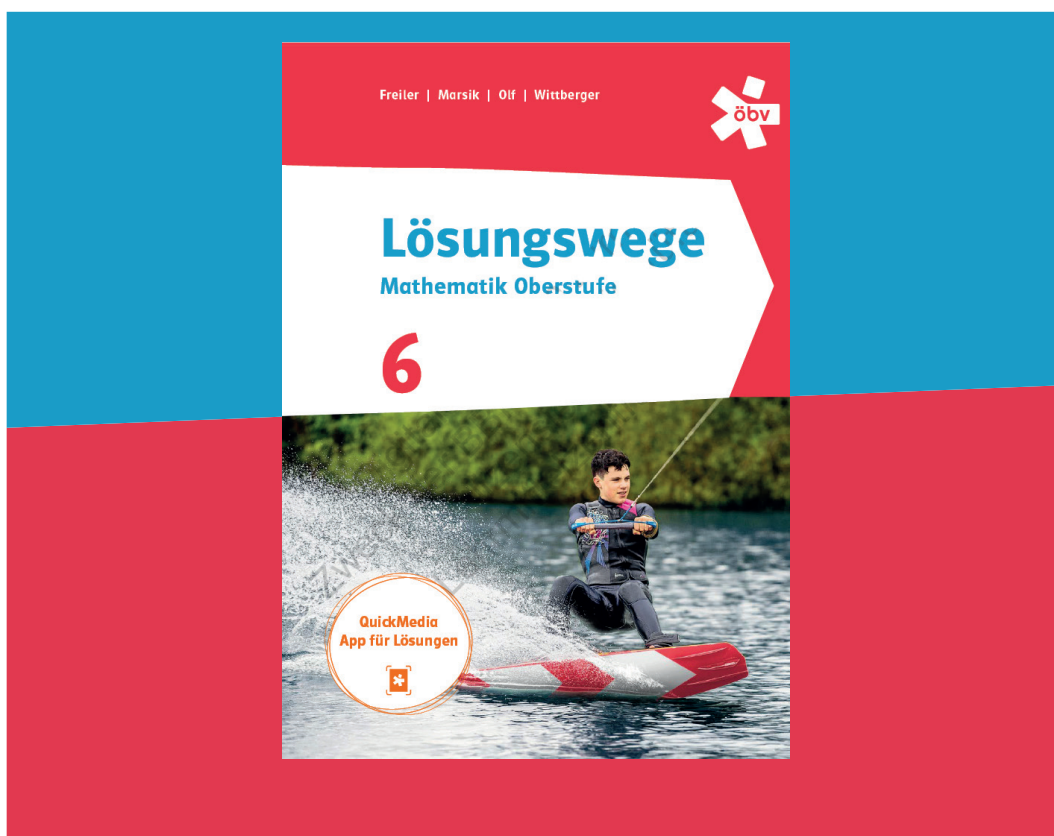
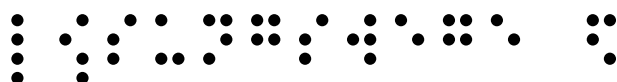
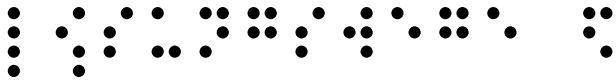
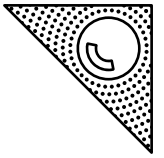


Tastbare Versionen ausgewählter Grafiken aus dem Schulbuch

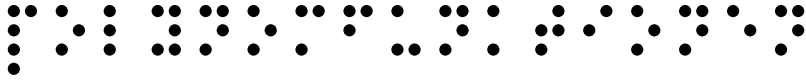
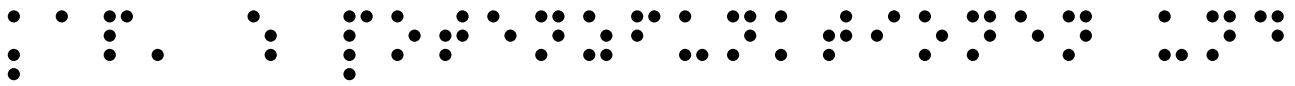
Lösungswege 6



Grafiken: Tomáš Batha



Lösungswege 6

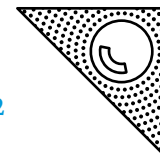
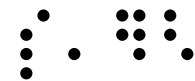
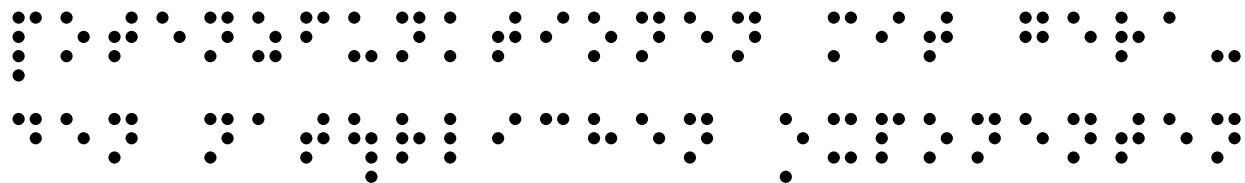
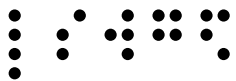


Kap. 5 Potenzfunktionen und Polynomfunktionen

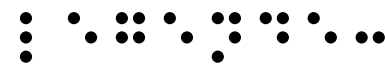
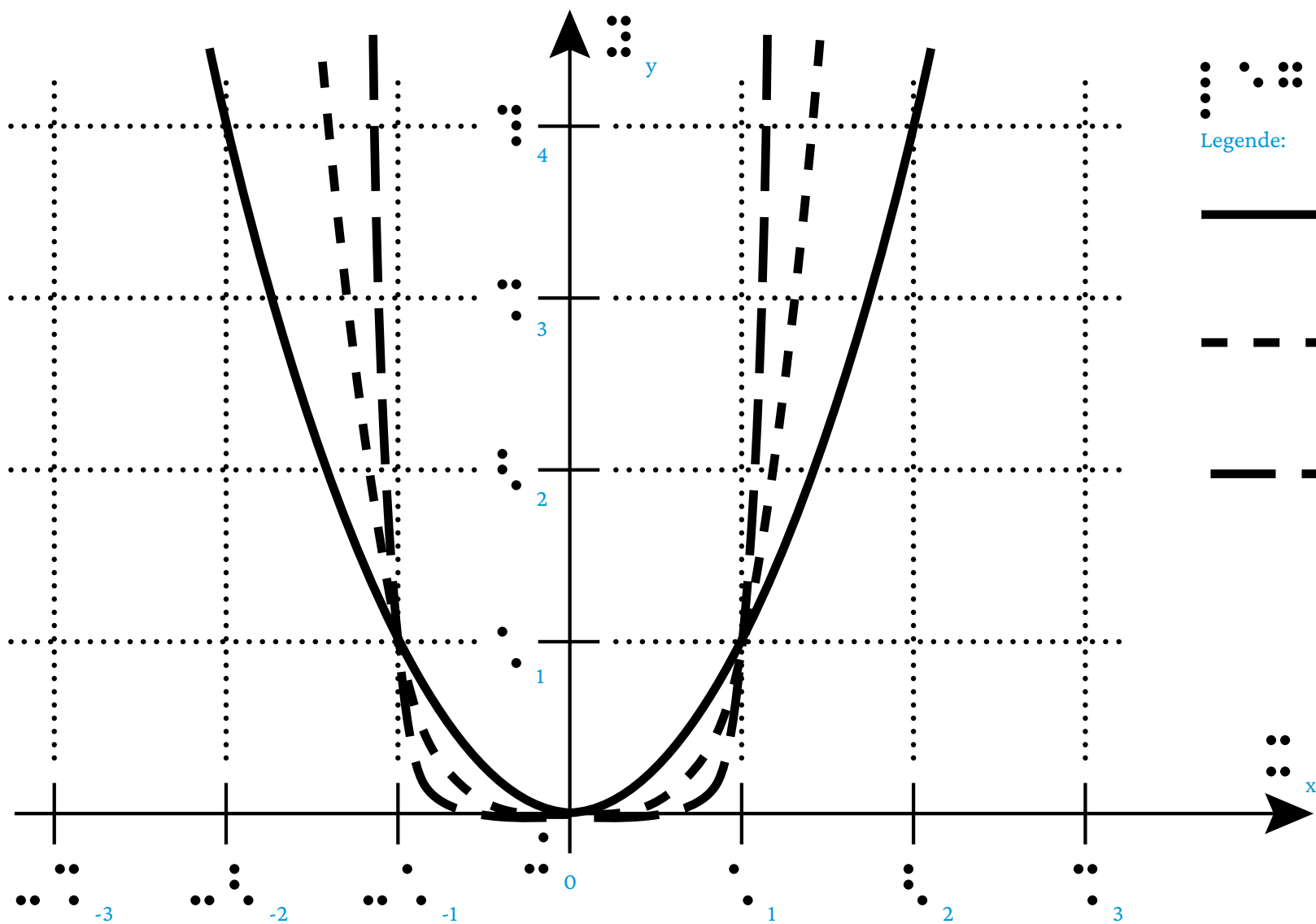
Lösungswege 6

Kap. 5

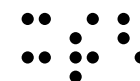
Potenzfunktionen und Polynomfunktionen



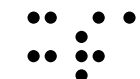
Potenzfunktionen mit geraden natürlichen Exponenten



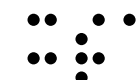
Legende:



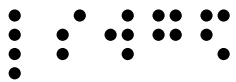
x^2



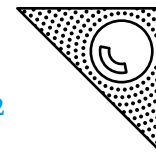
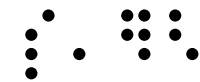
x^4



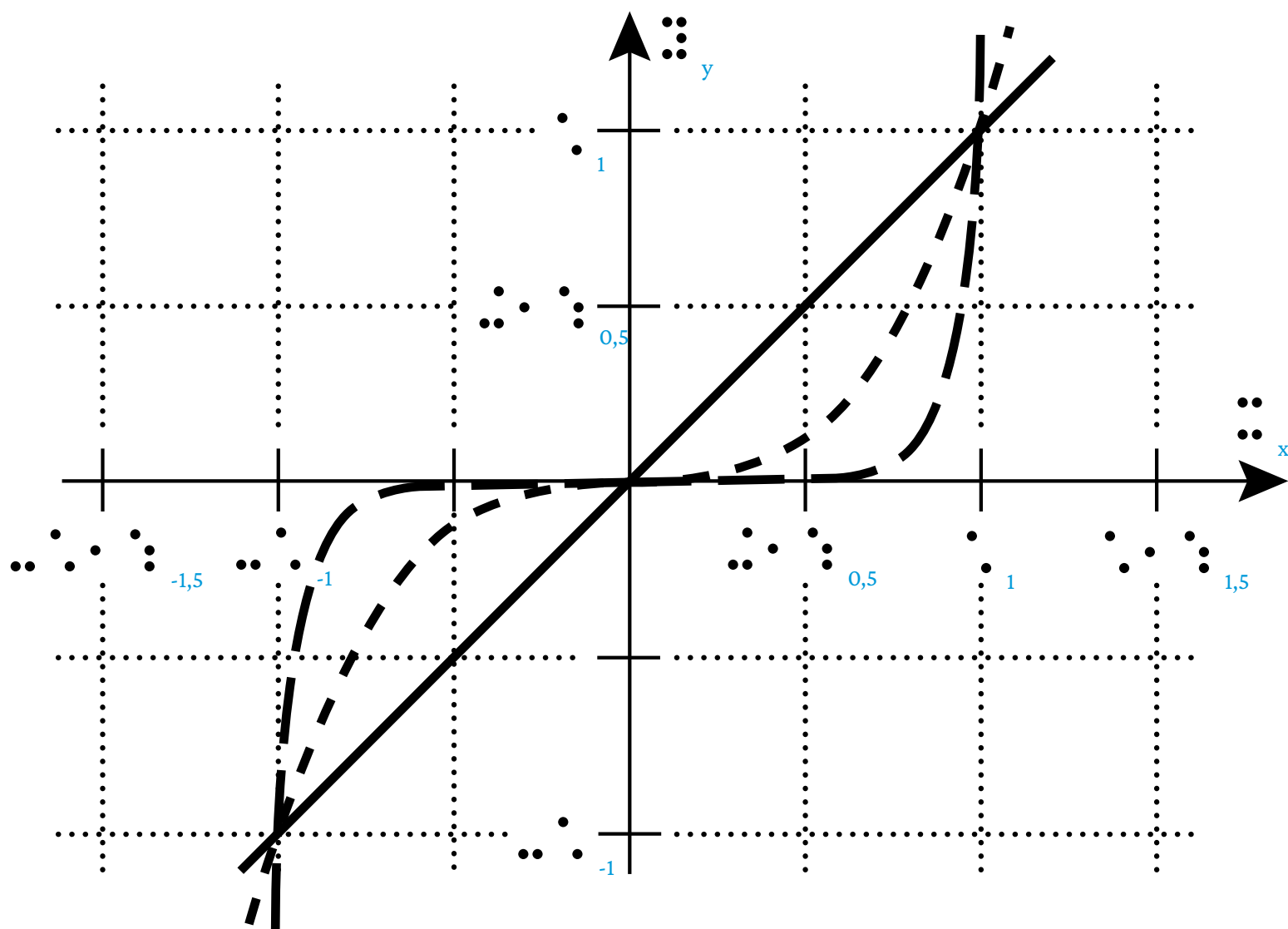
x^{10}



Potenzfunktionen mit ungeraden natürlichen Exponenten



Potenzfunktionen mit ungeraden natürlichen Exponenten



Legende:



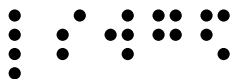
x



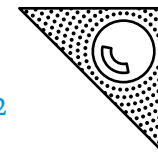
x^3



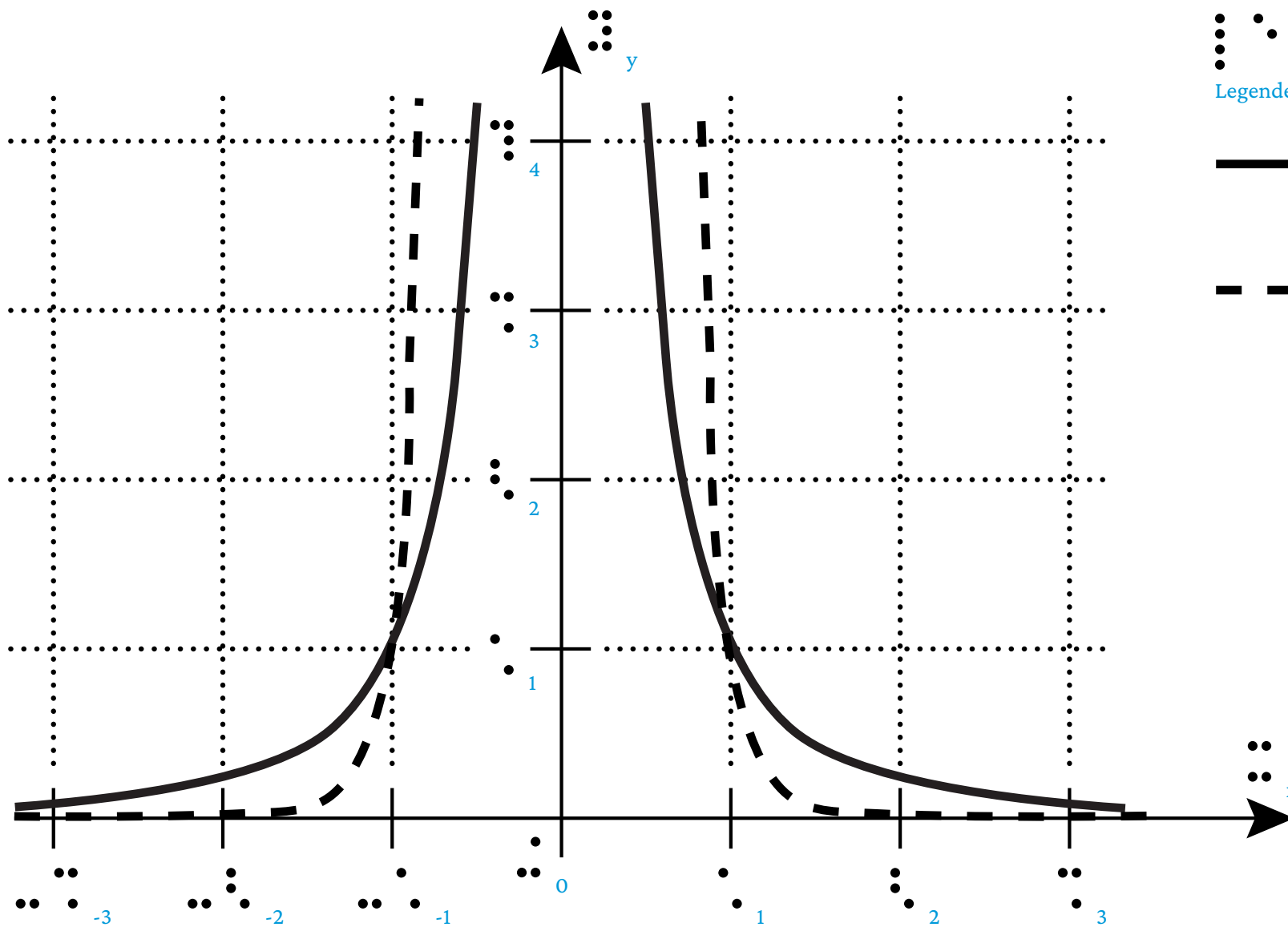
x^9



Potenzfunktionen mit geraden negativen Exponenten



Potenzfunktionen mit geraden negativen Exponenten



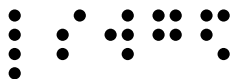
Legende:



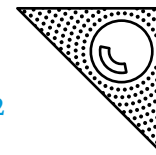
x^{-2}



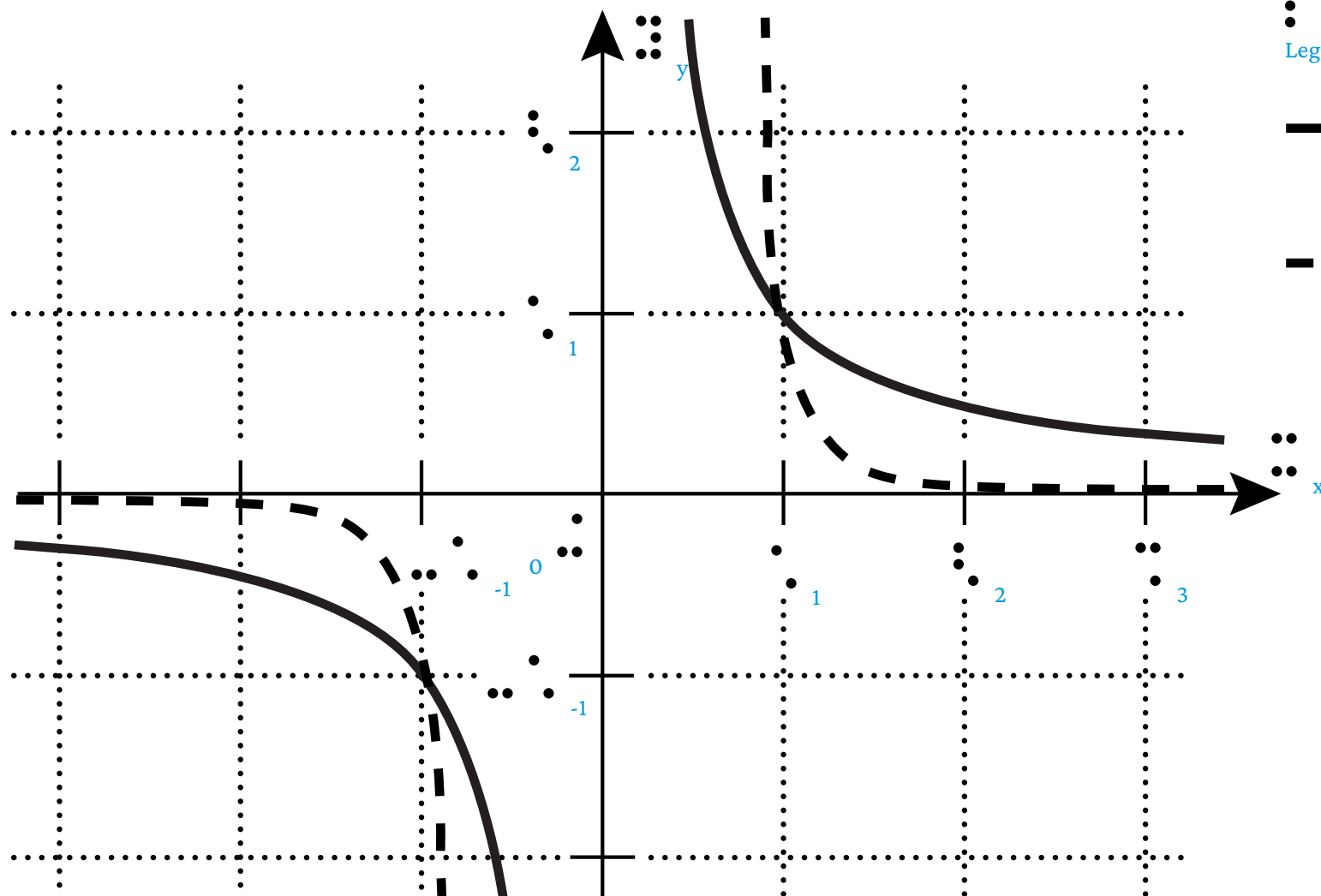
x^{-8}



Potenzfunktionen mit ungeraden negativen Exponenten



Potenzfunktionen mit ungeraden negativen Exponenten



Legende:

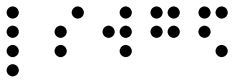
Legende:

—

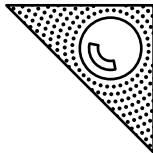
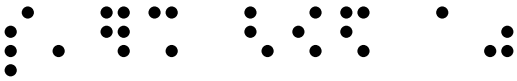
x^{-1}

- - -

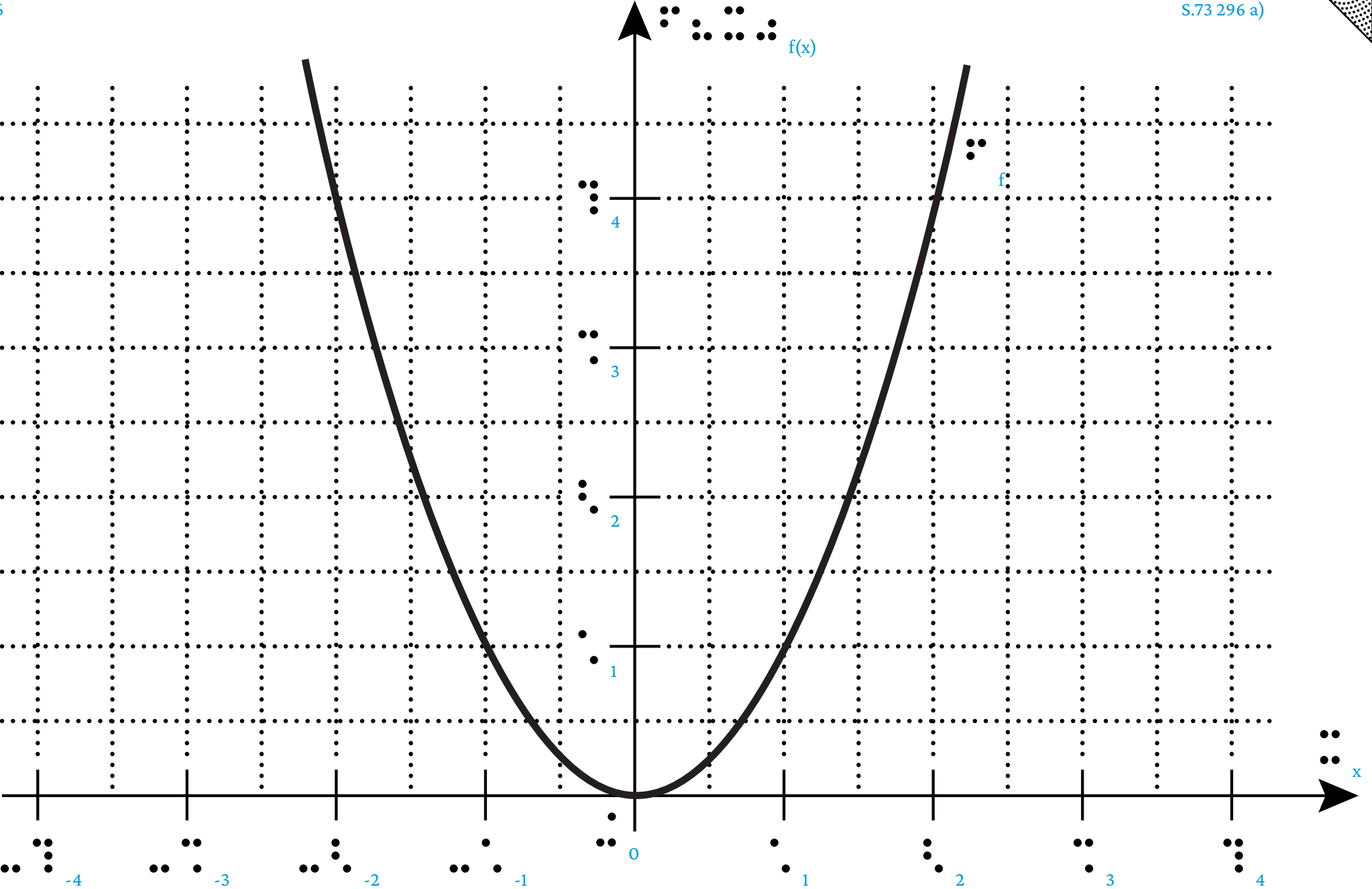
x^{-3}

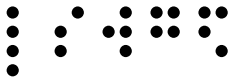


Lswg 6

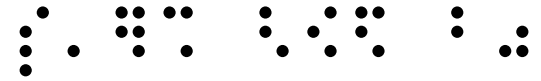


S.73 296 a)

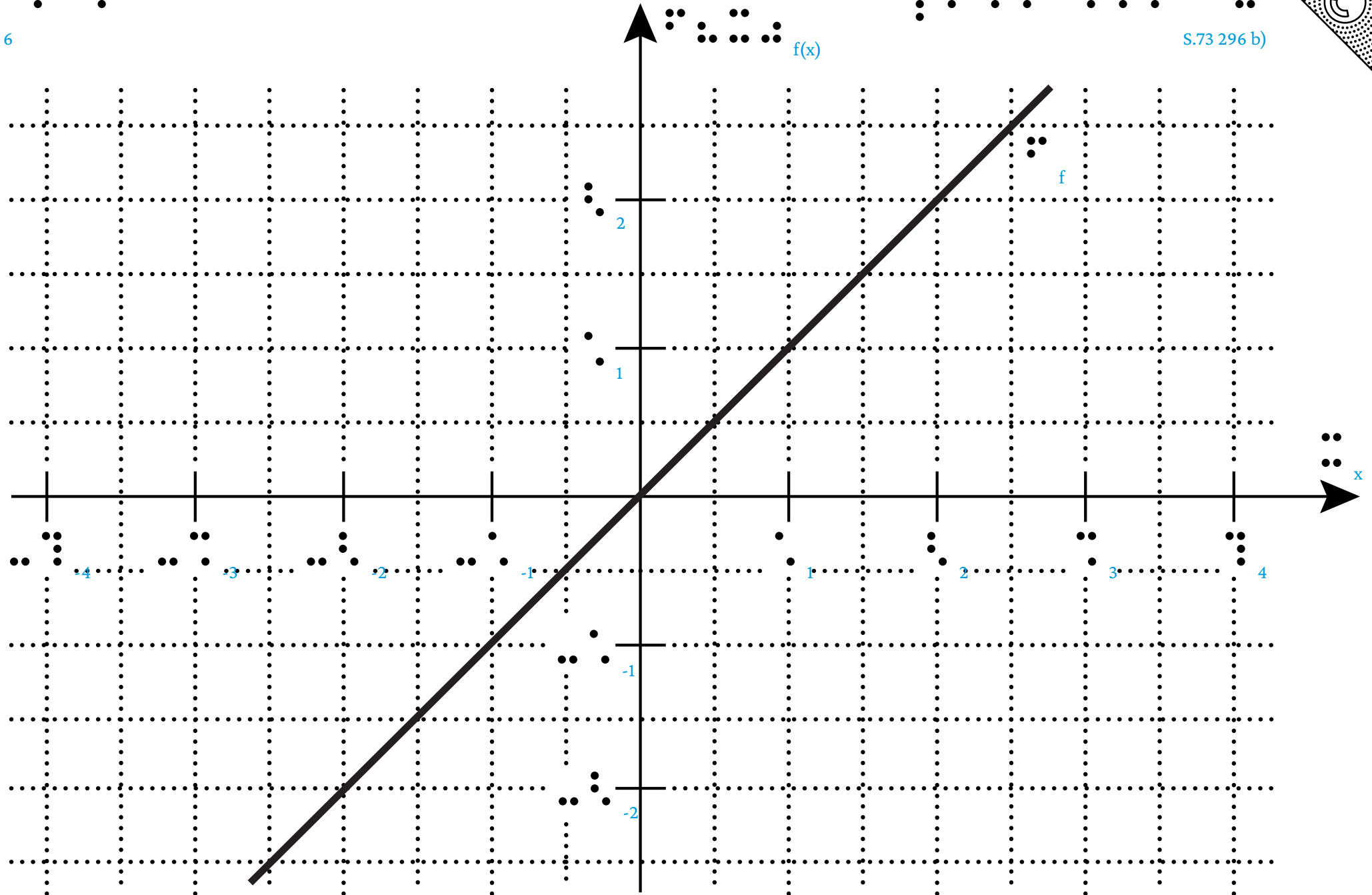
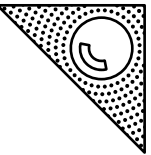


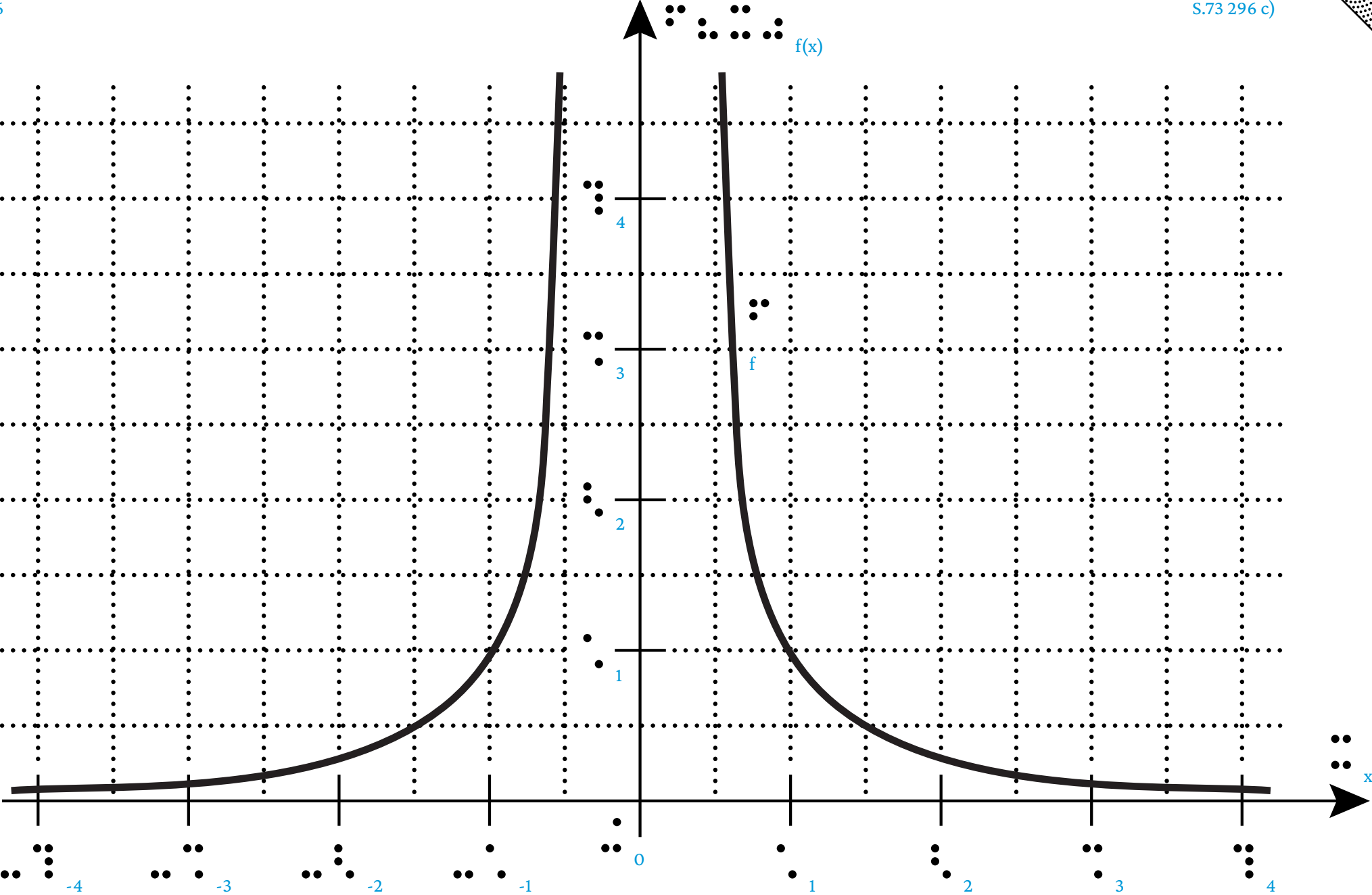
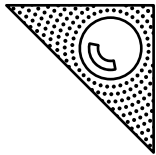
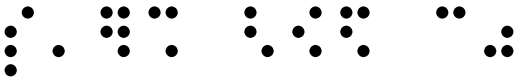
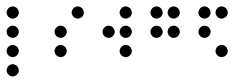


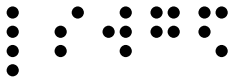
Lswg 6



S.73 296 b)



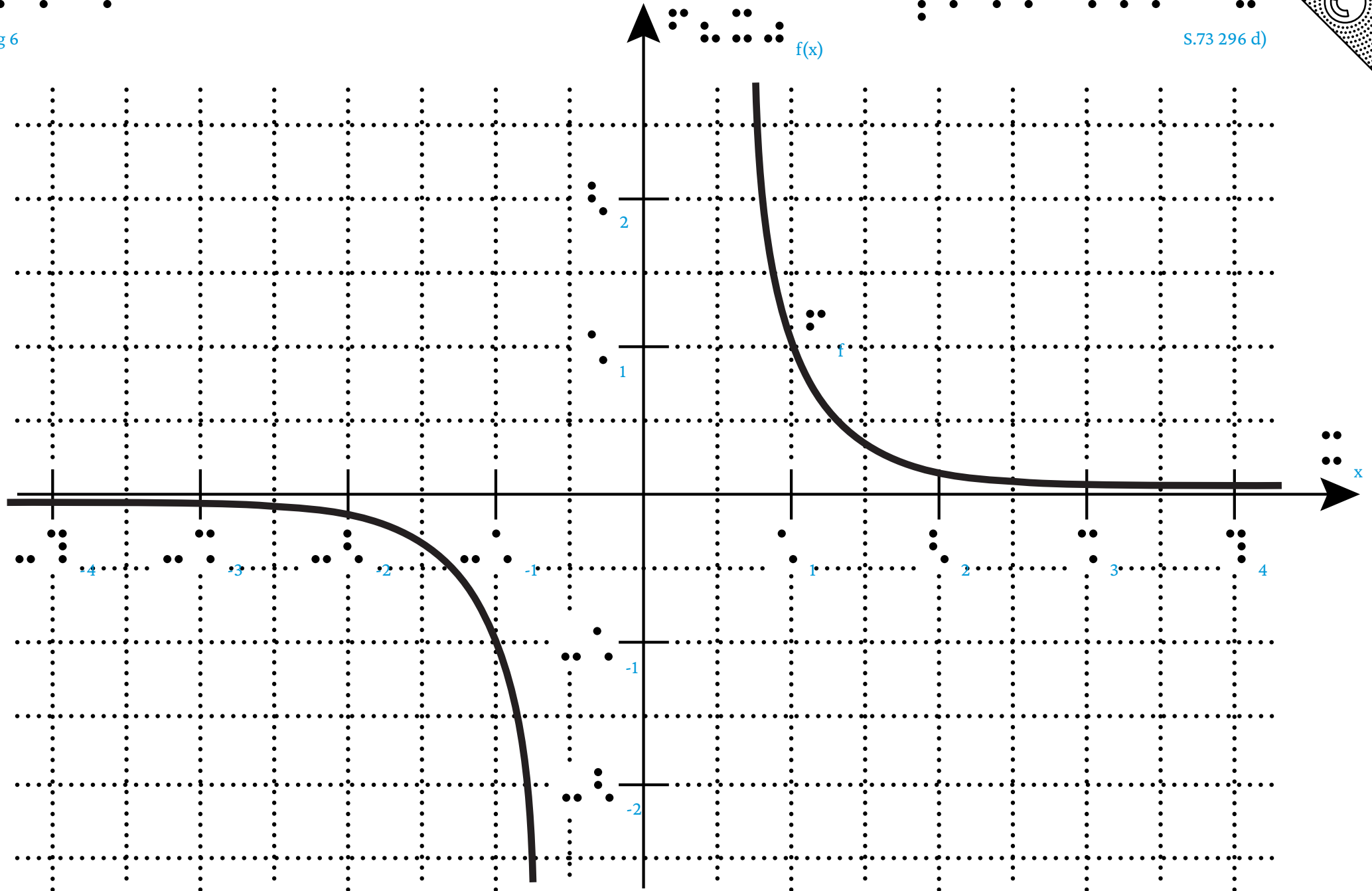
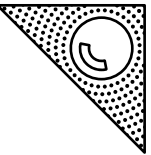


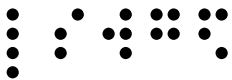


Lswg 6



S.73 296 d)

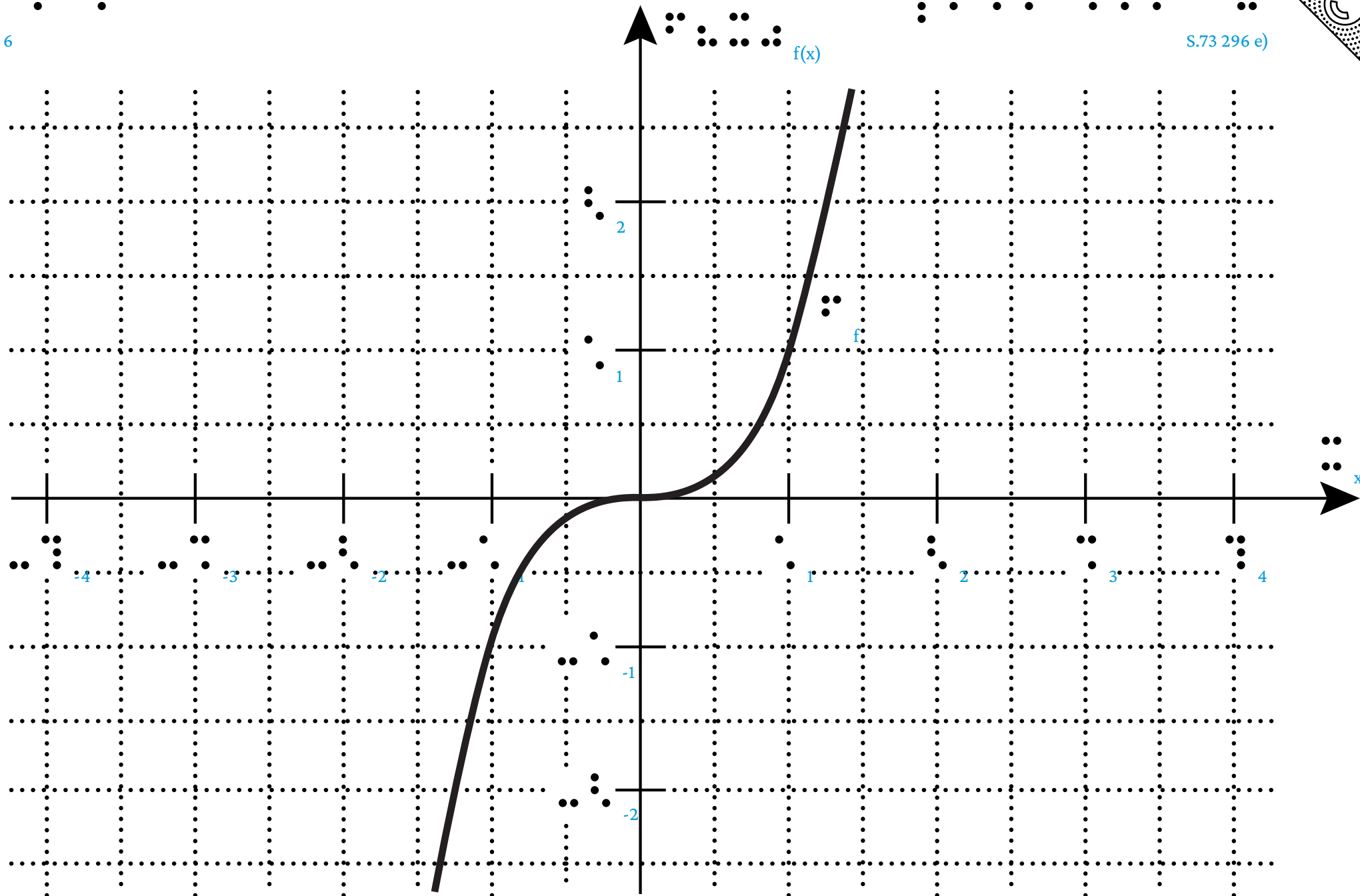
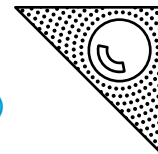


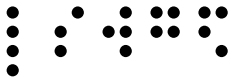


Lswg 6



S.73 296 e)

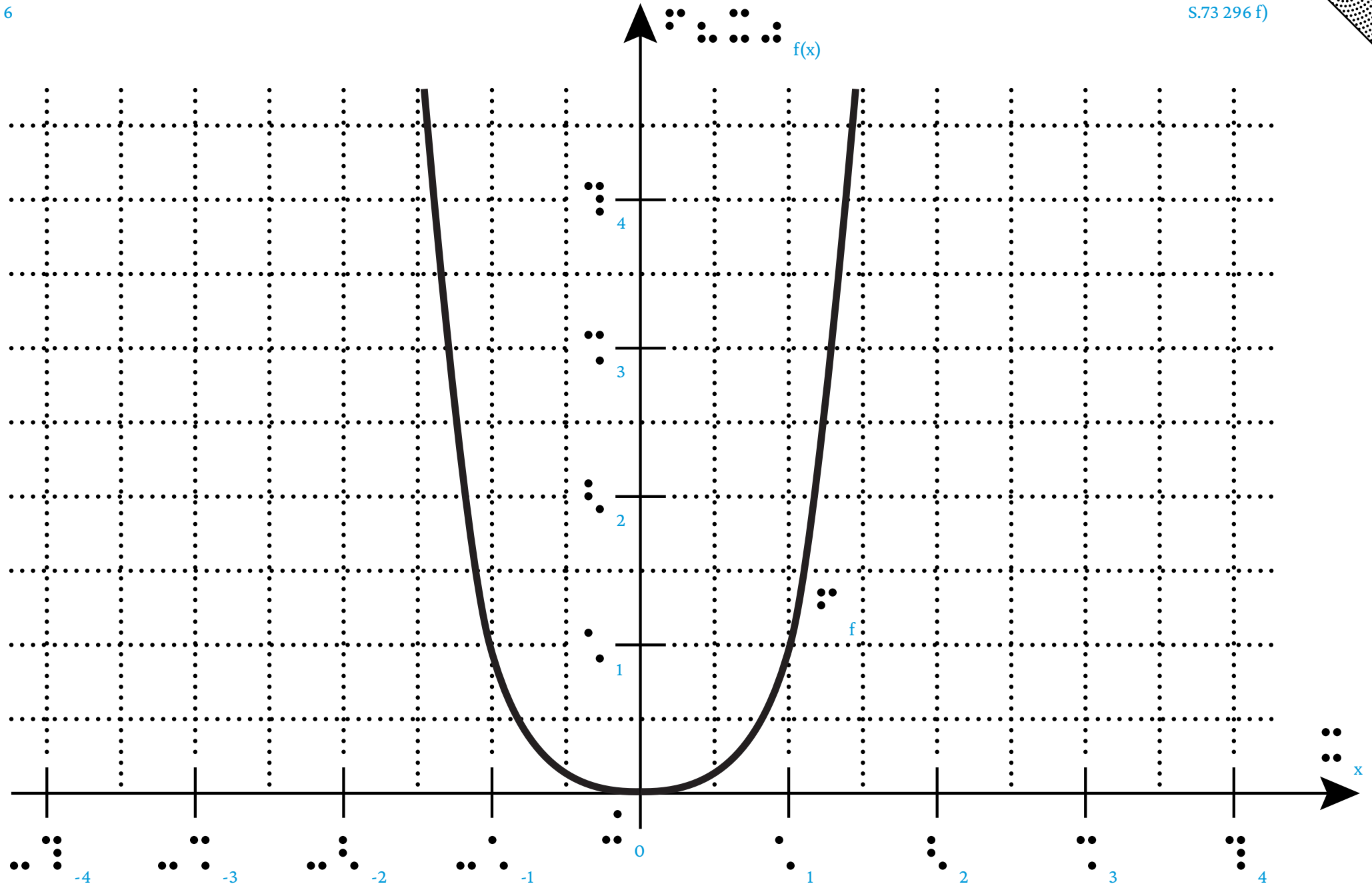
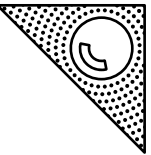


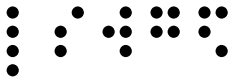


Lswg 6



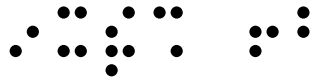
S.73 296 f)



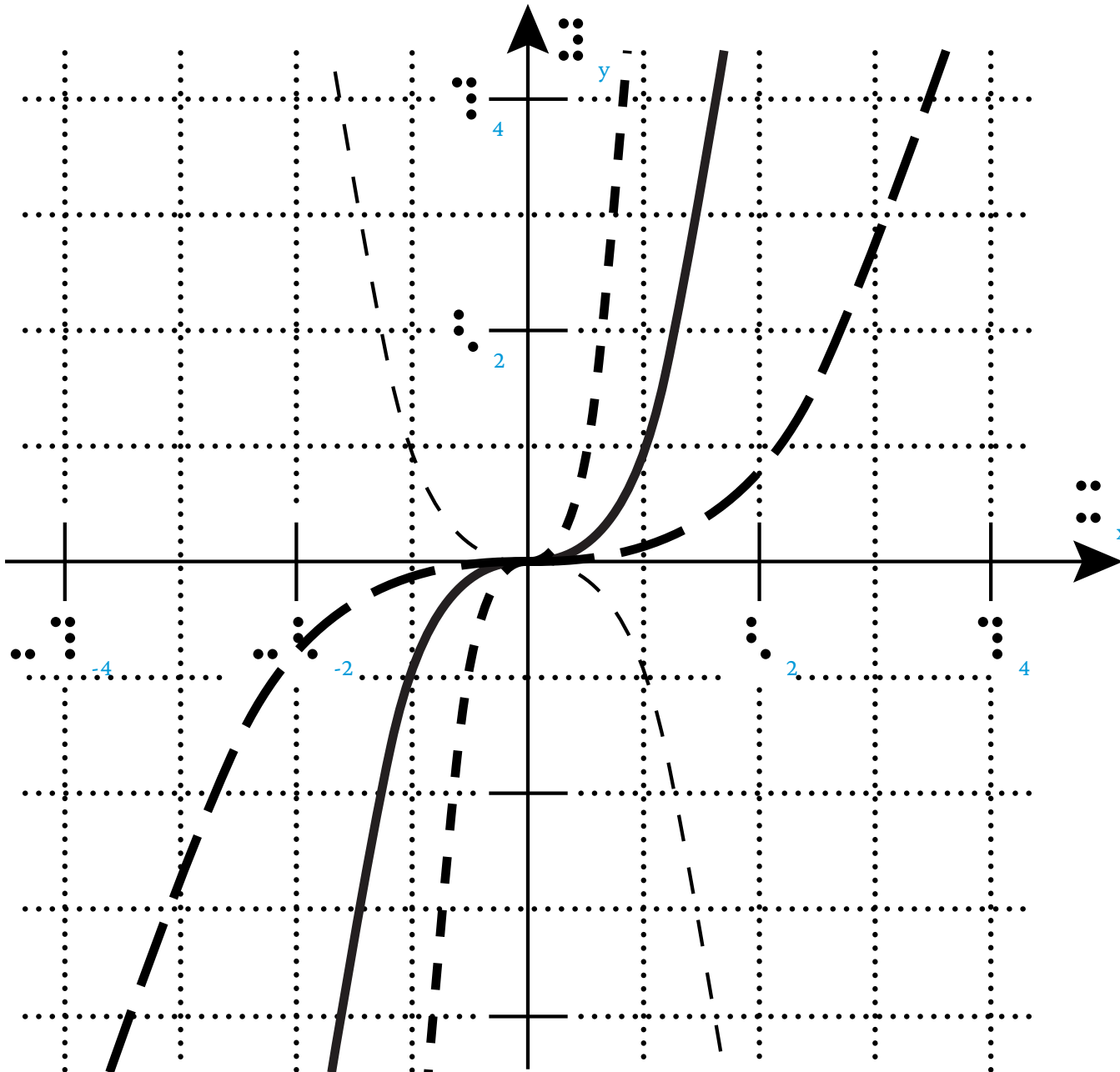
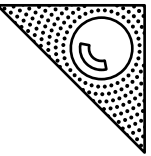


Lswg 6

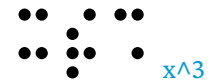
$$f(x) = a \cdot x^3 + b$$



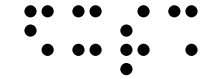
S.74 1/3



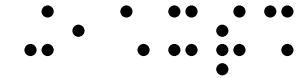
Legende:



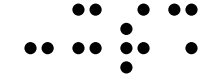
x^3



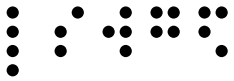
$6x^3$



$0.1x^3$



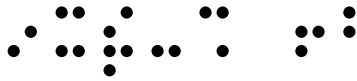
$-x^3$



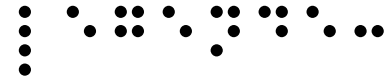
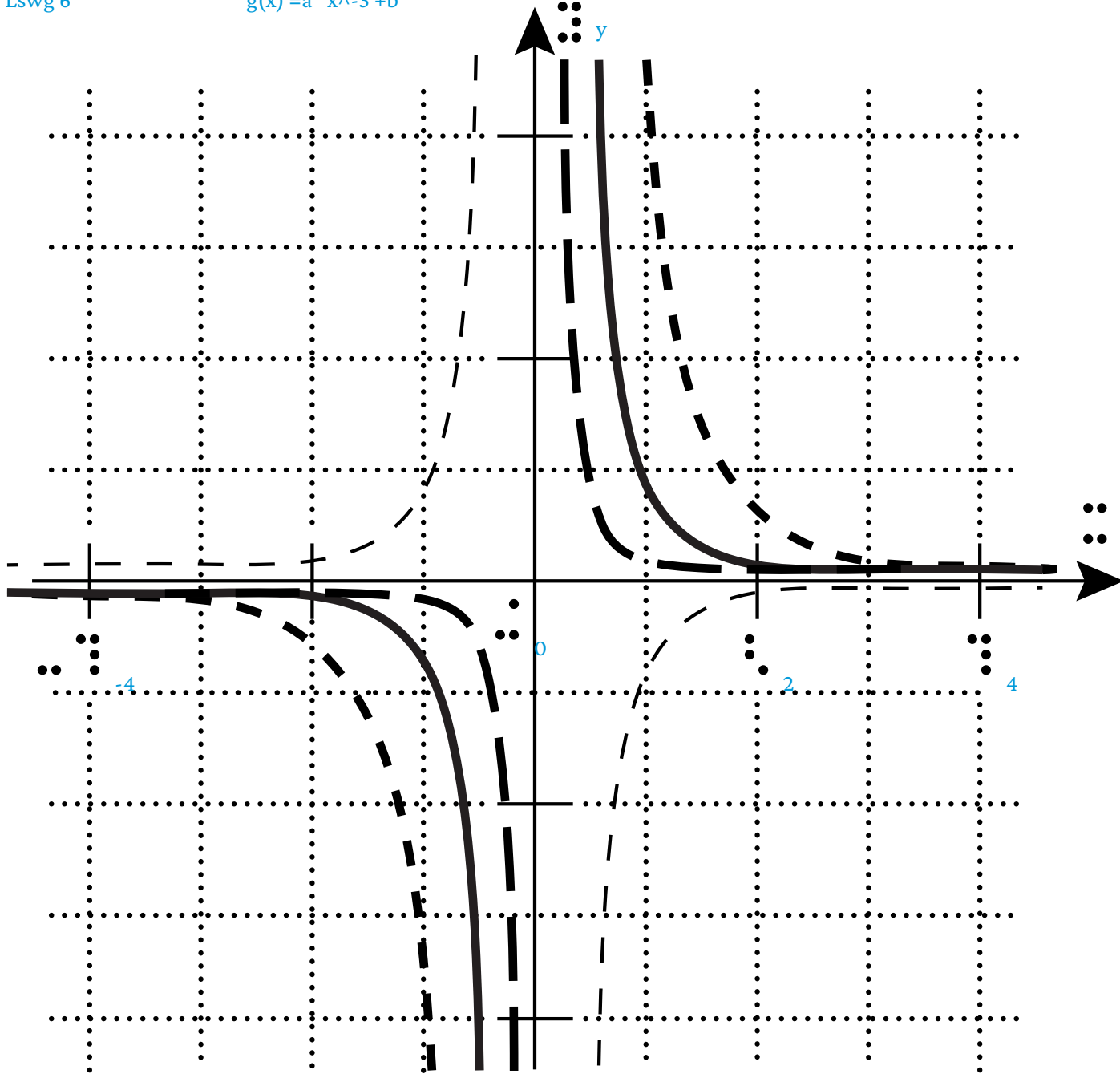
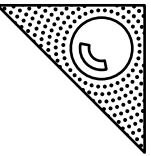
Lswg 6



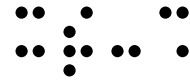
$$g(x) = a \cdot x^{-3} + b$$



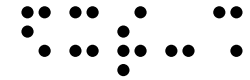
S.74 2/3



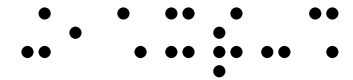
Legende:



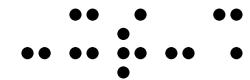
x^{-3}



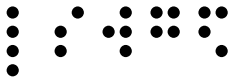
$6x^{-3}$



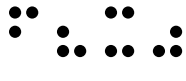
$0,1x^{-3}$



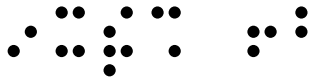
$-x^{-3}$



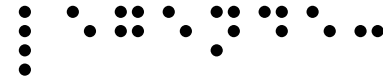
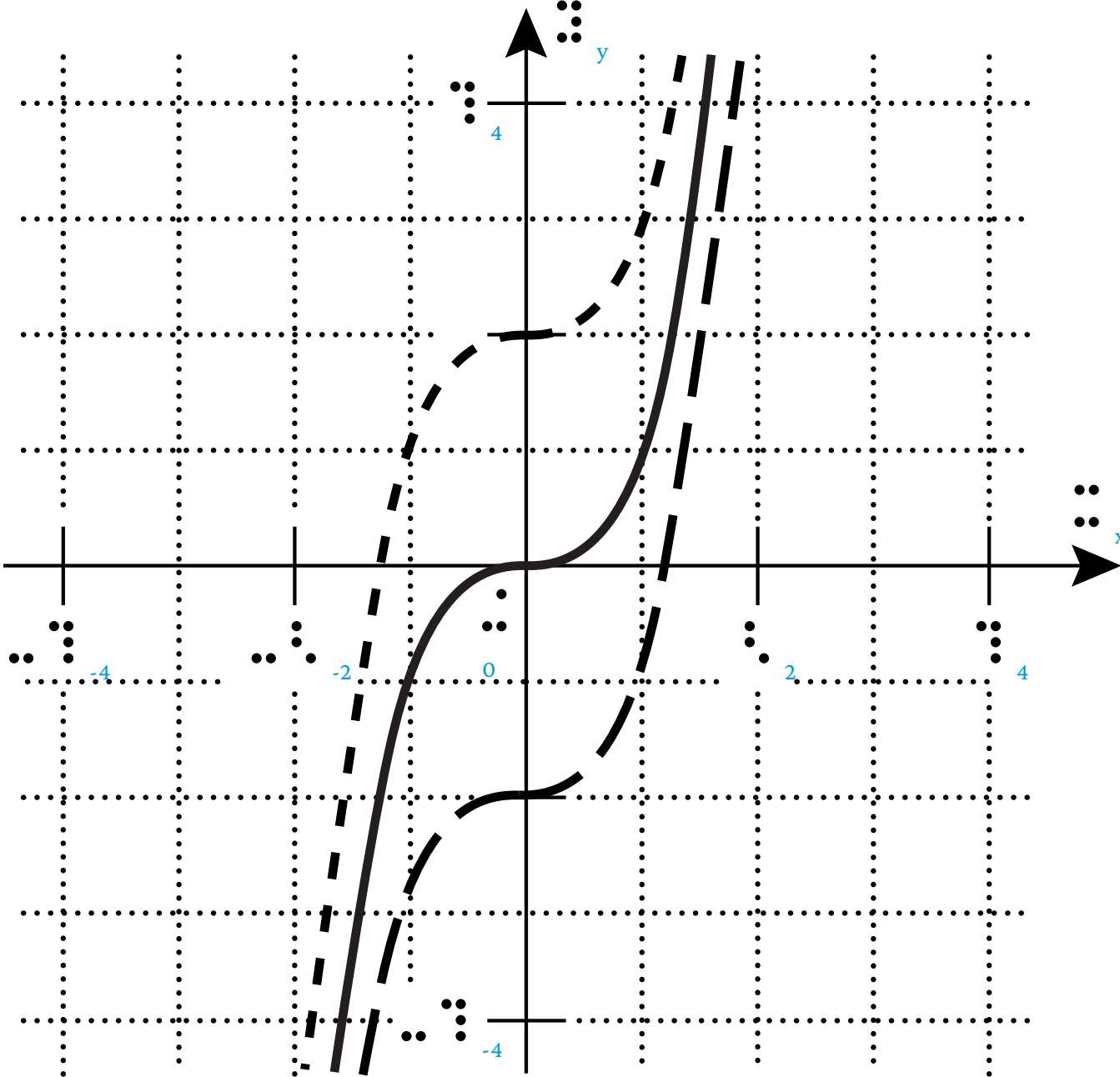
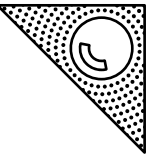
Lswg 6



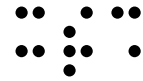
$f(x) = a \cdot x^3 + b$



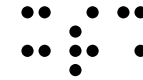
S.74 2/3



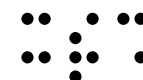
Legende:



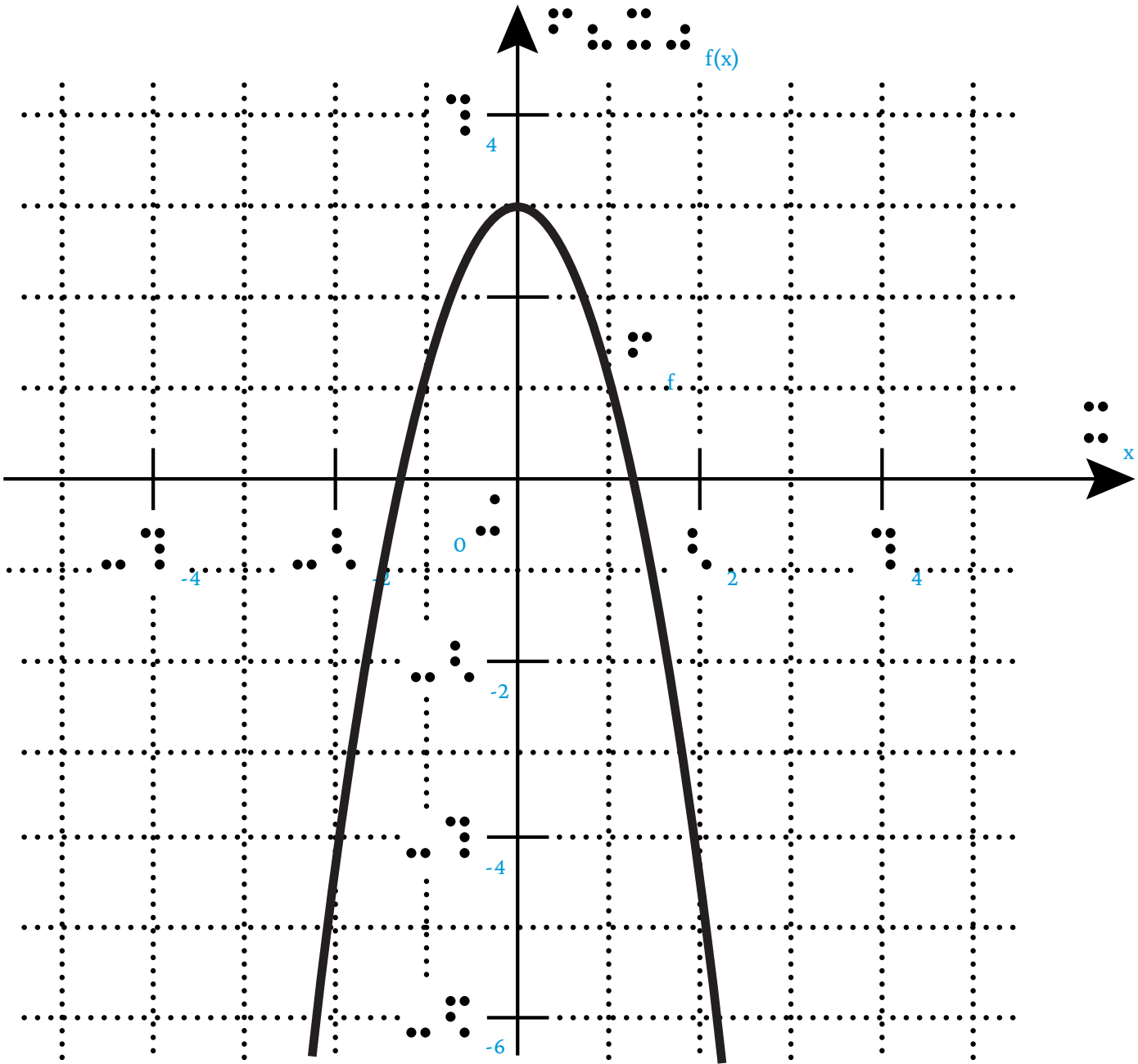
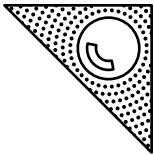
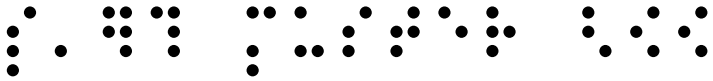
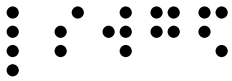
x^3

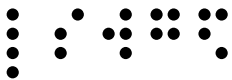


$x^3 + 2$

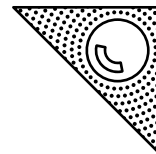
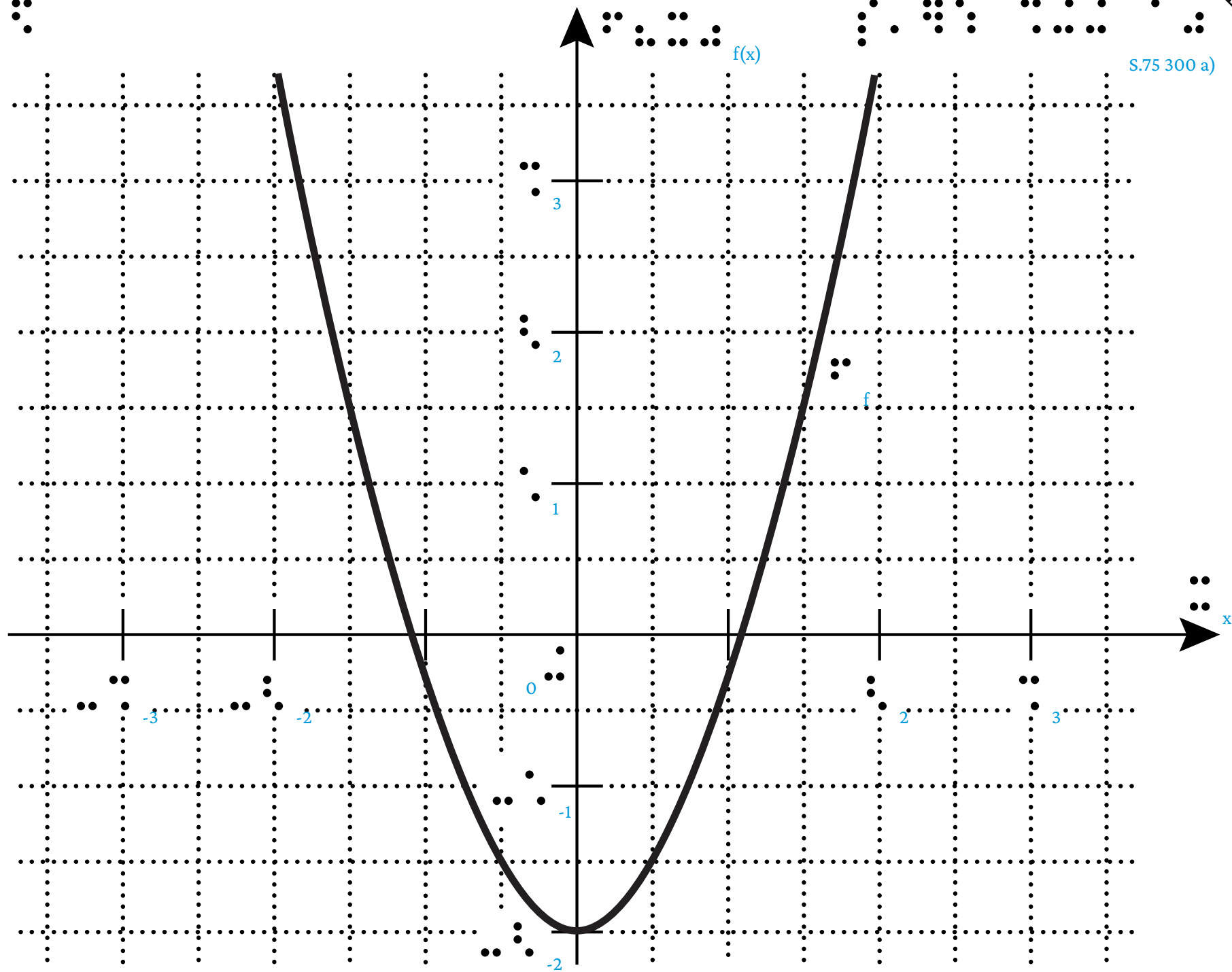


$x^3 - 2$

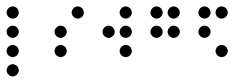




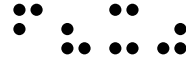
Lswg 6



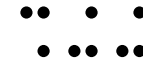
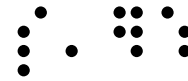
S.75 300 a)



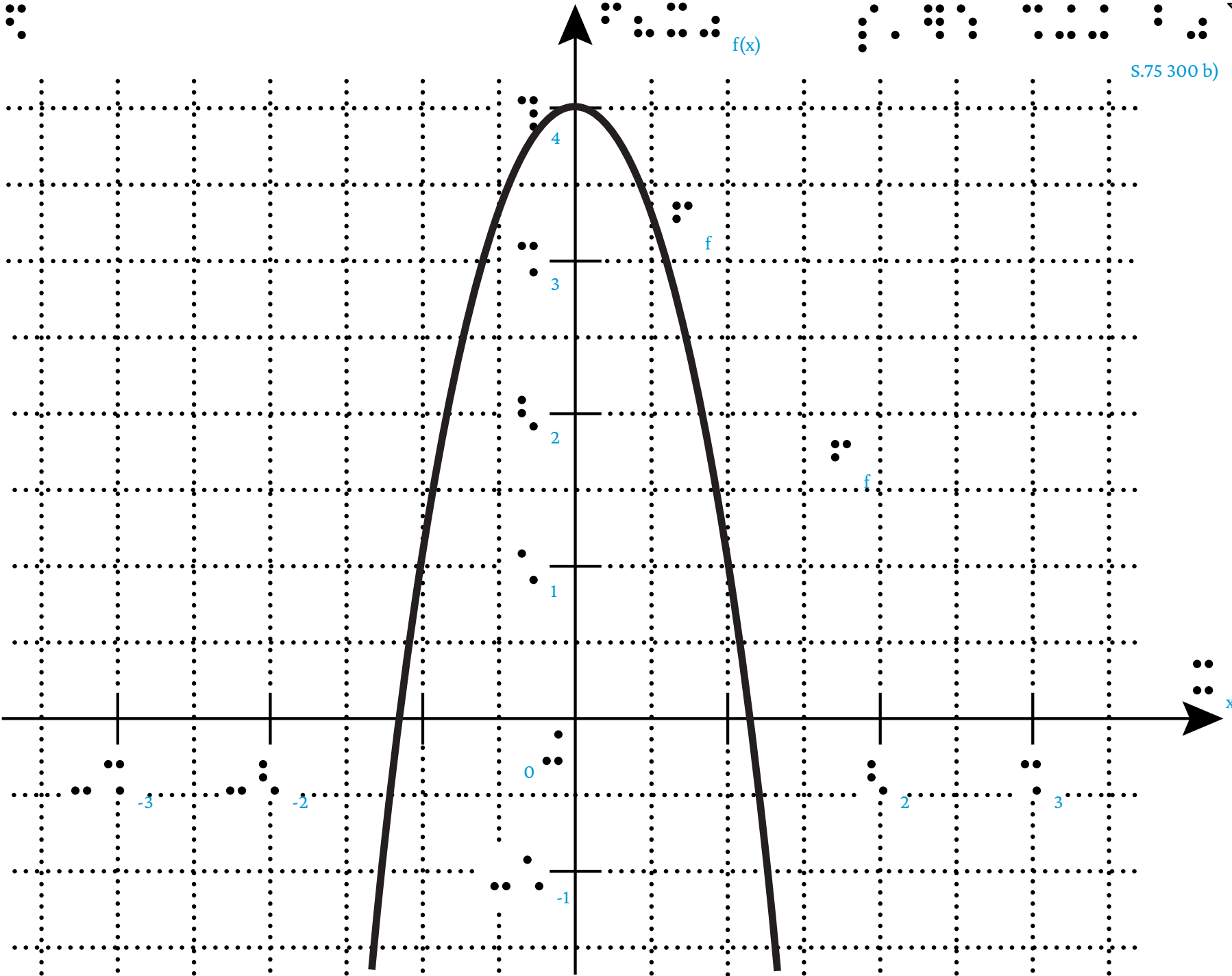
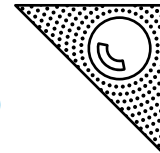
Lswg 6

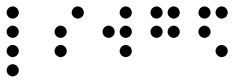


$f(x)$

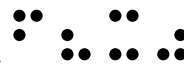


S.75 300 b)

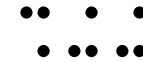
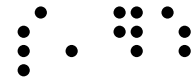




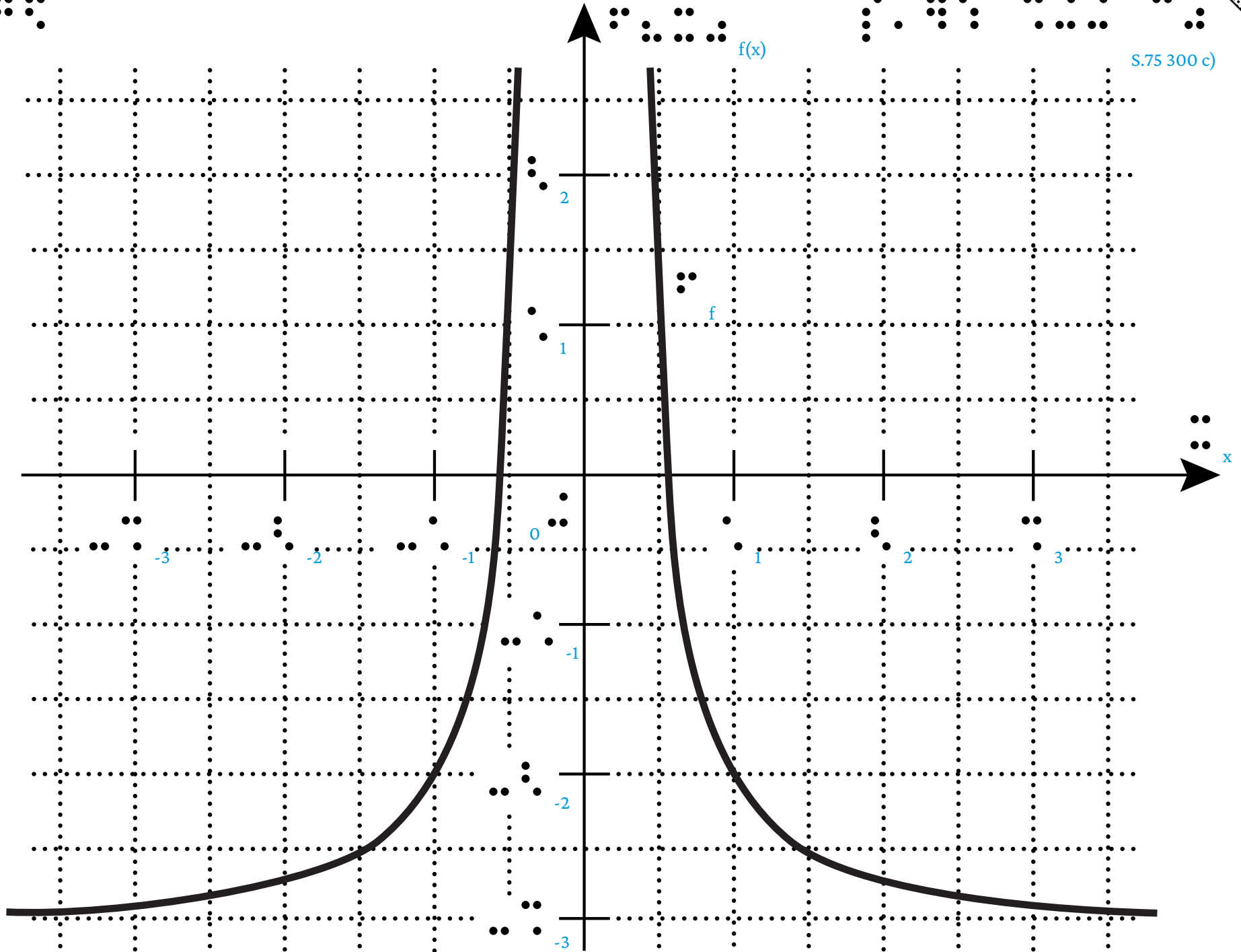
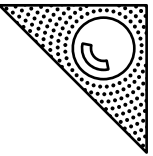
Lswg 6

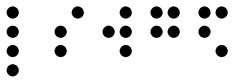


$f(x)$

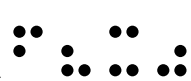


S.75 300 c)

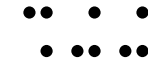
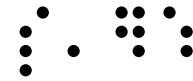




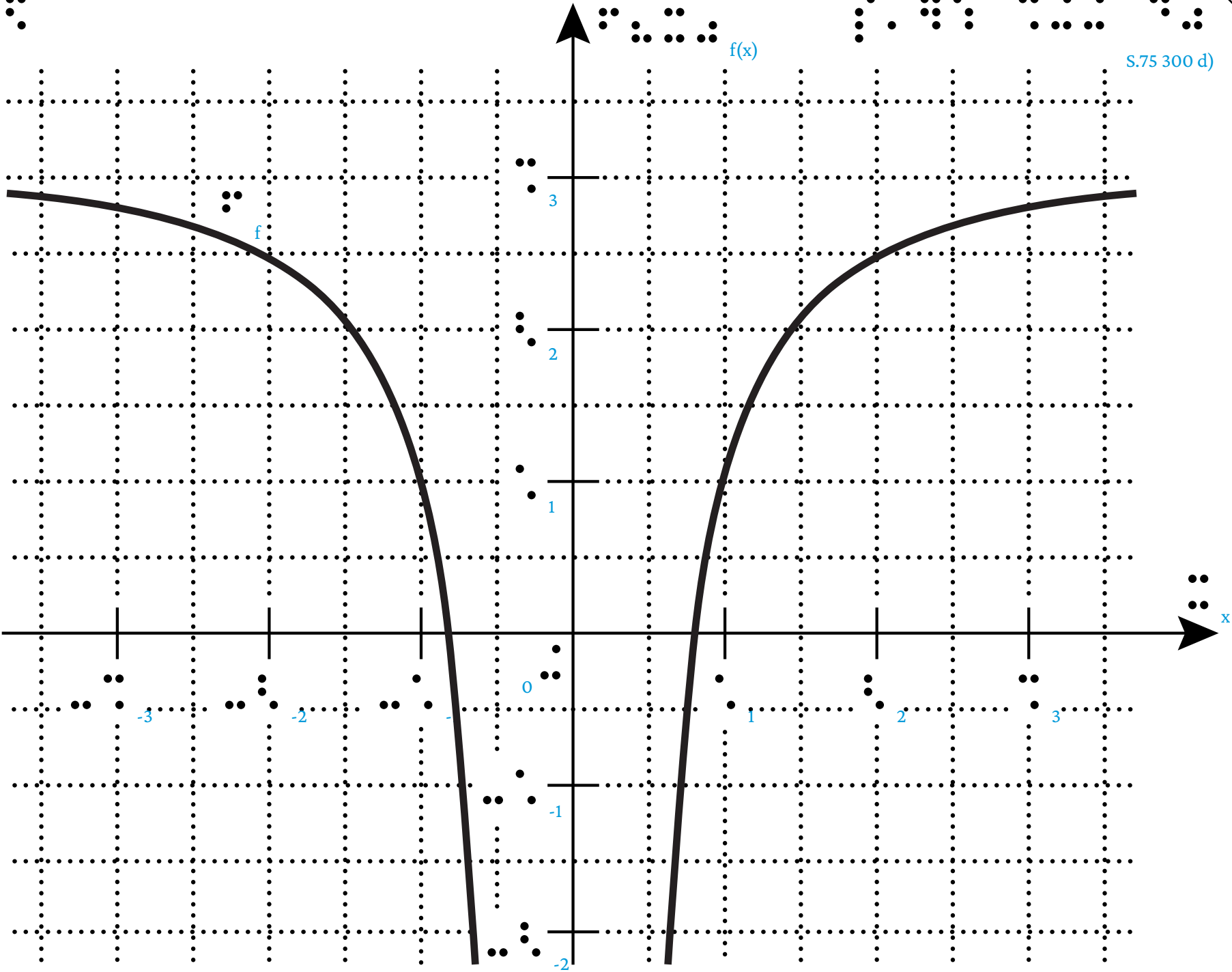
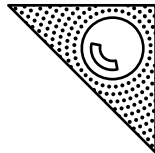
Lswg 6

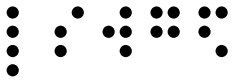


$f(x)$

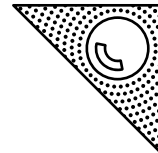
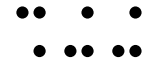
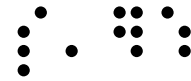
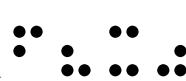


S.75 300 d)

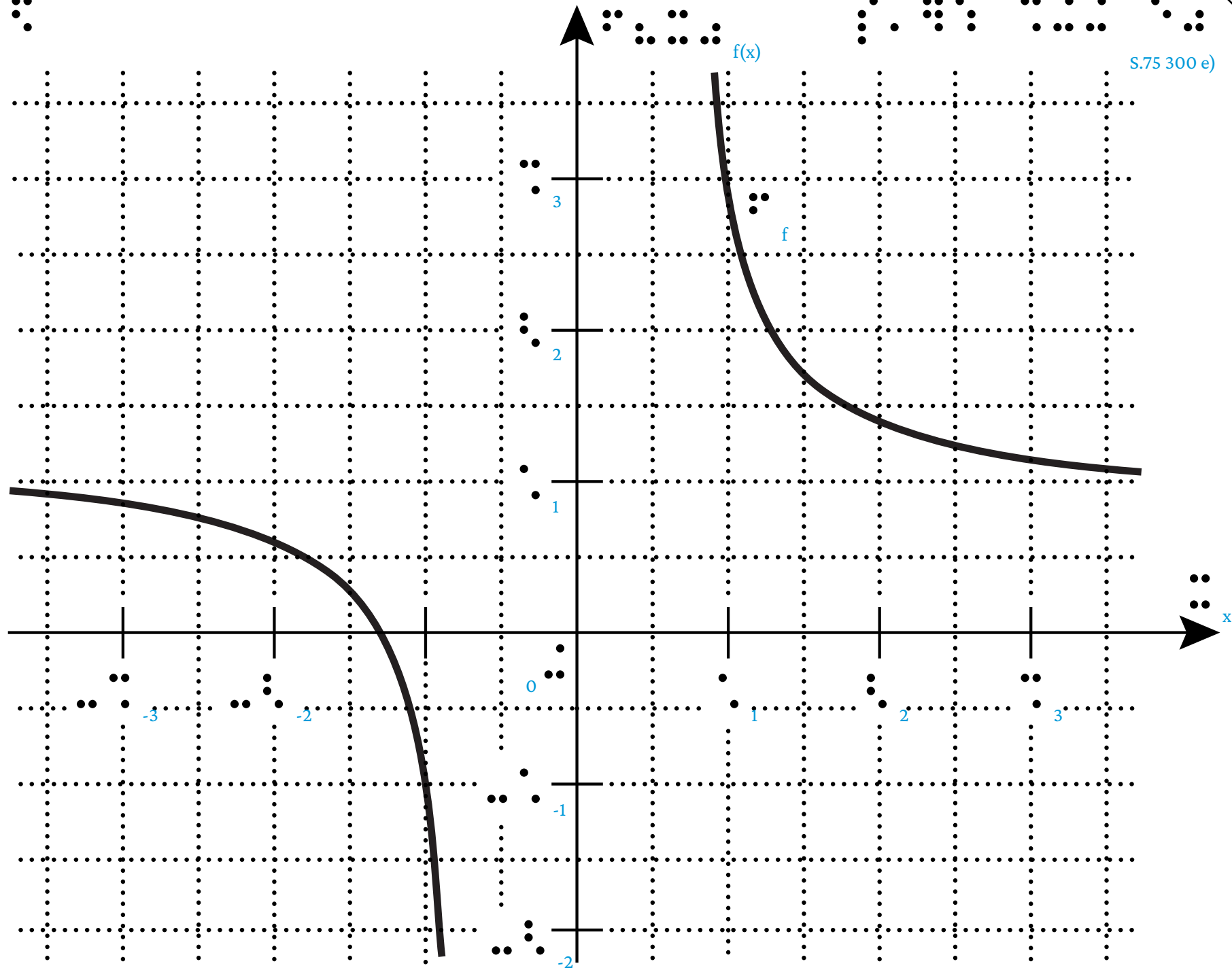


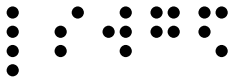


Lswg 6

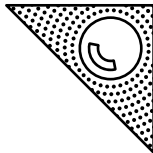
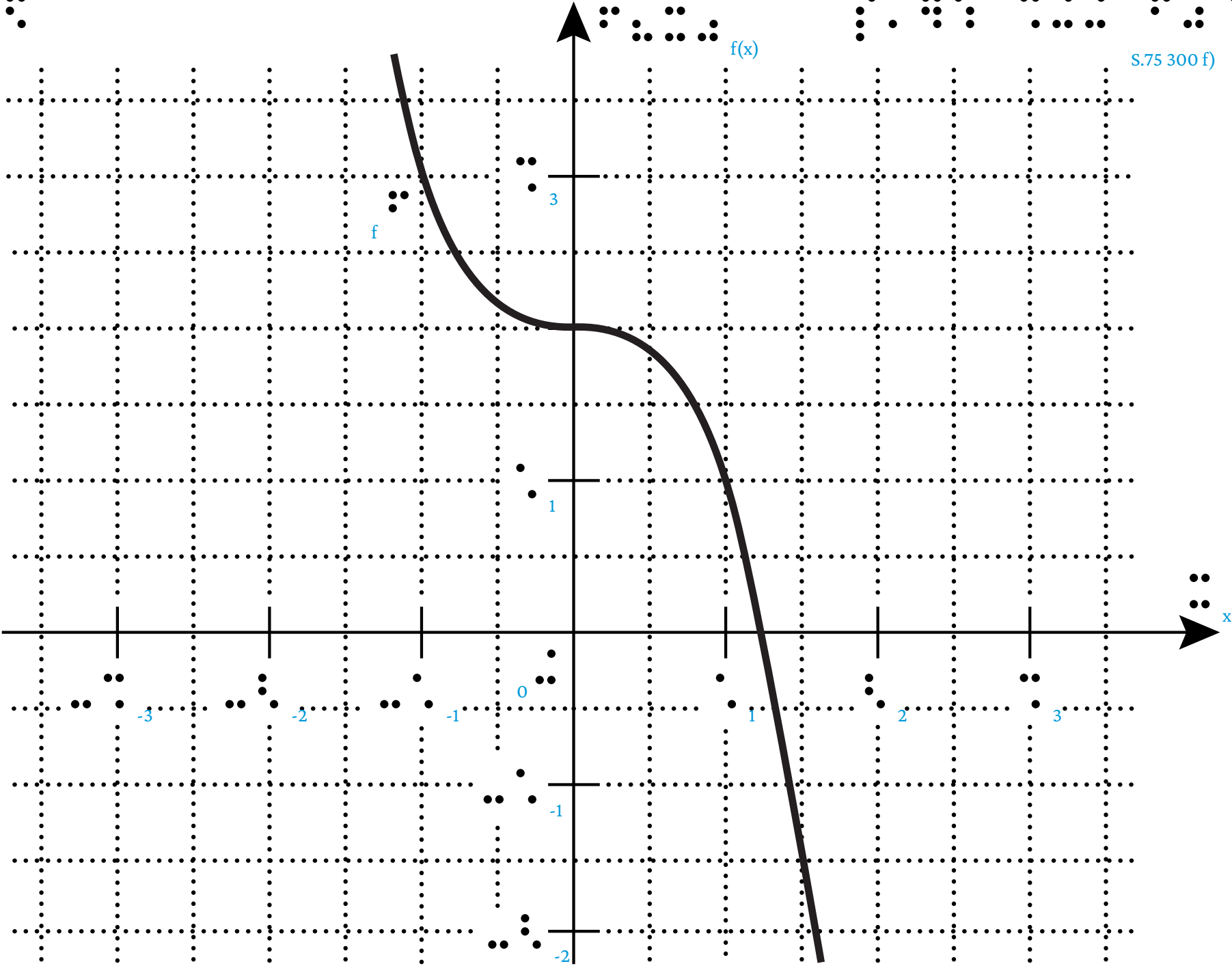


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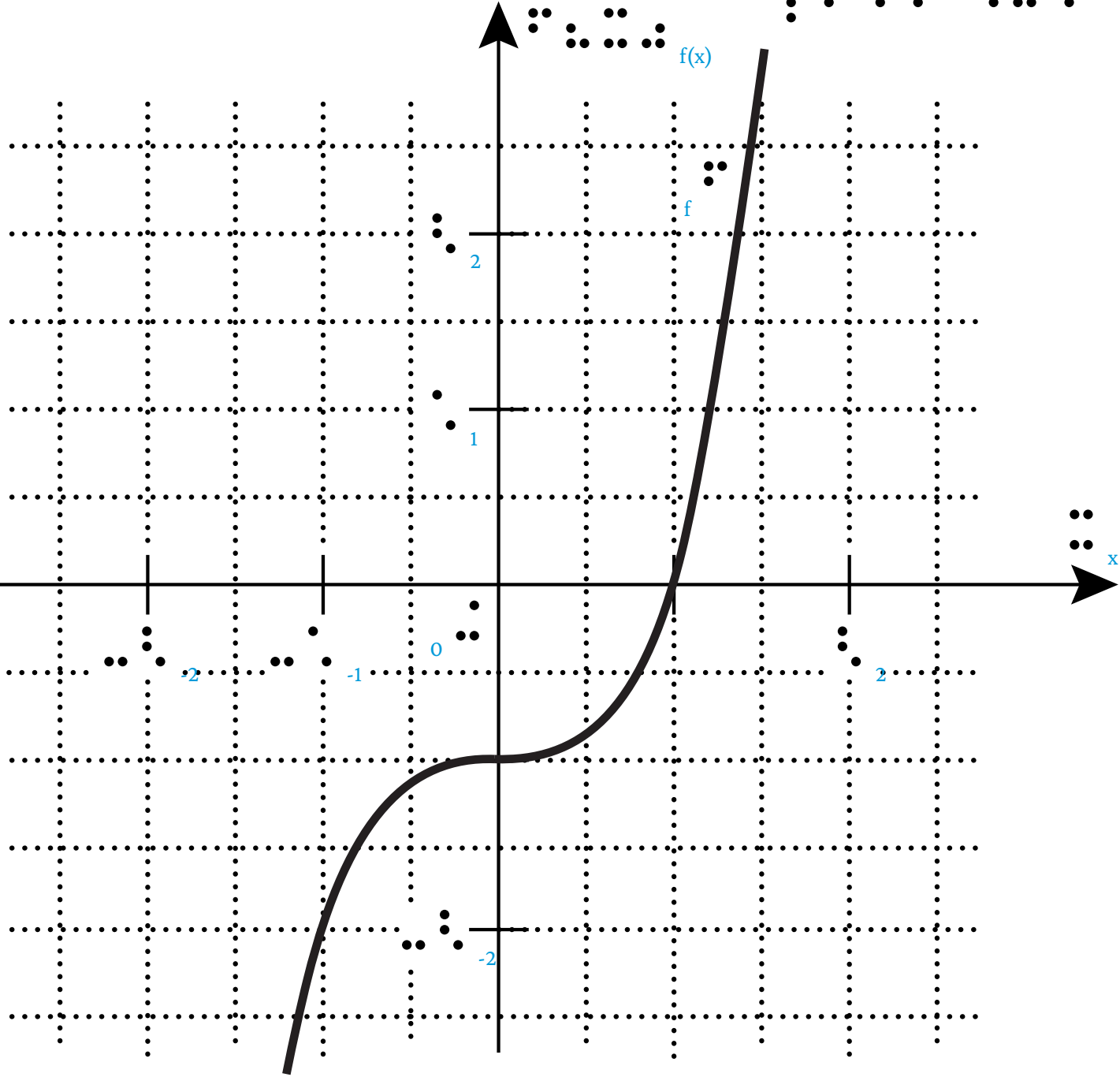
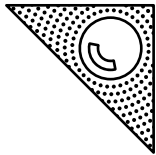
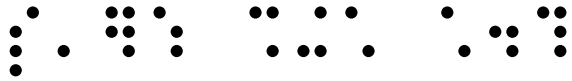
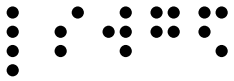


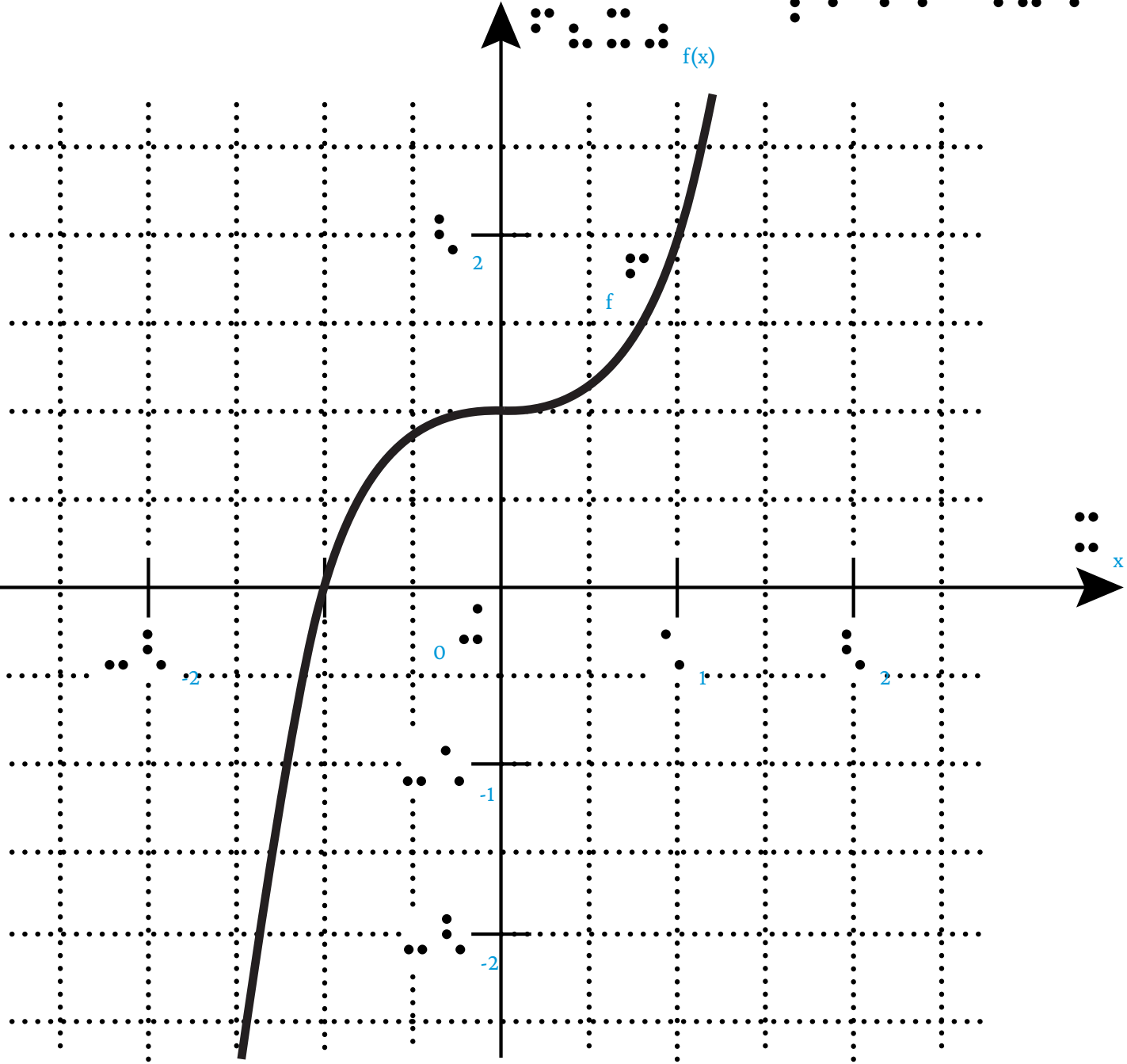
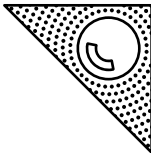
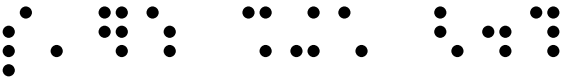
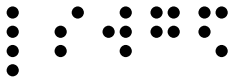


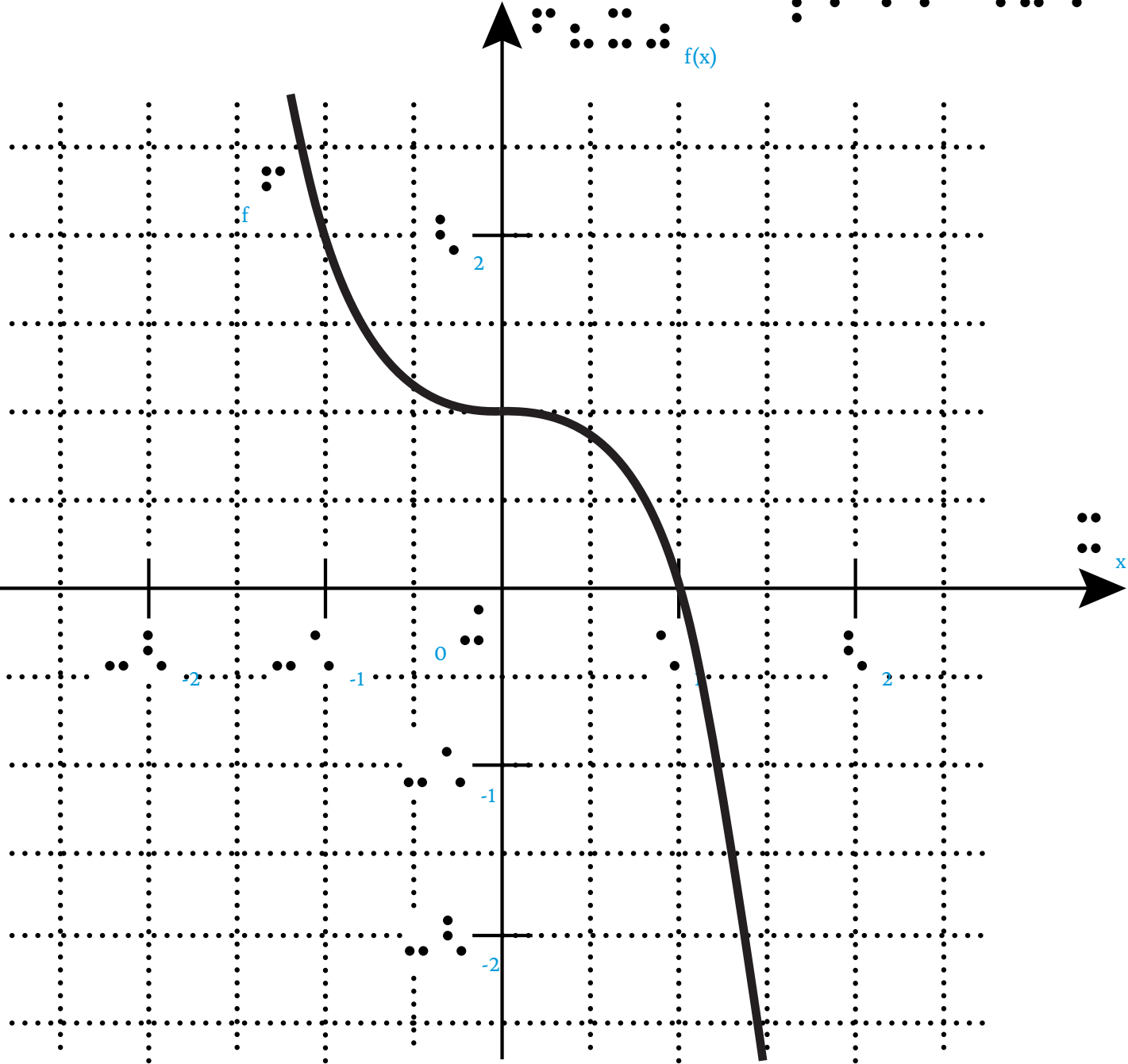
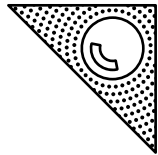
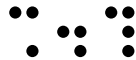
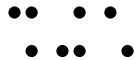
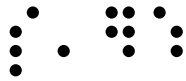
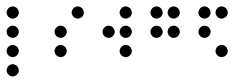
Lswg 6

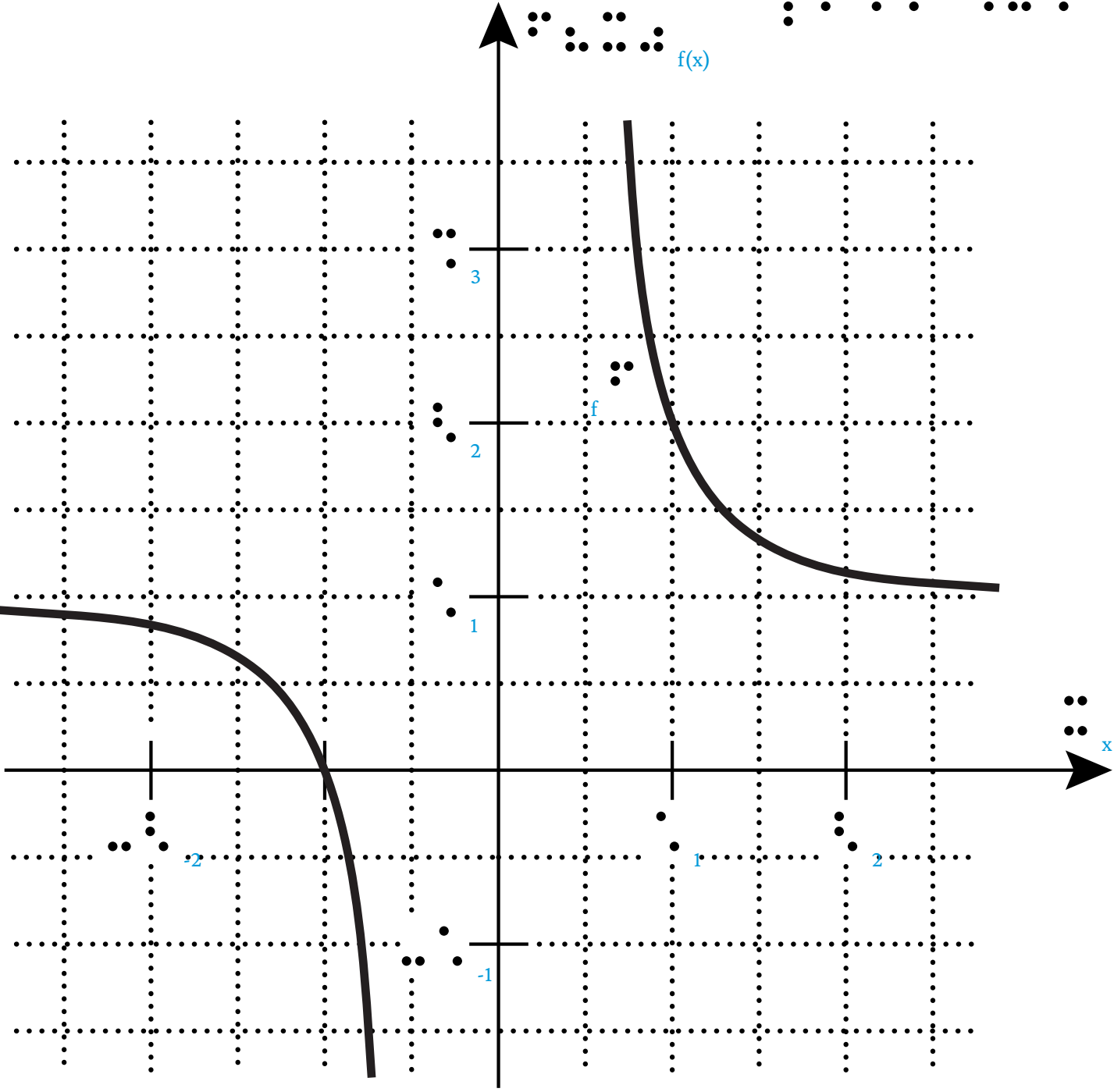
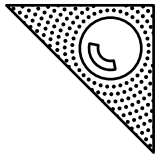
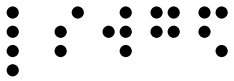


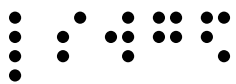
S.75 300 f)







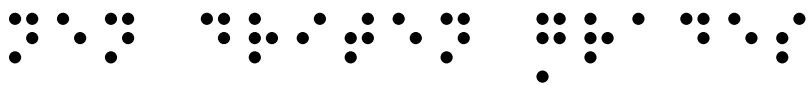
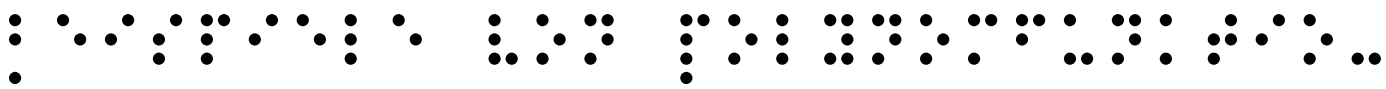




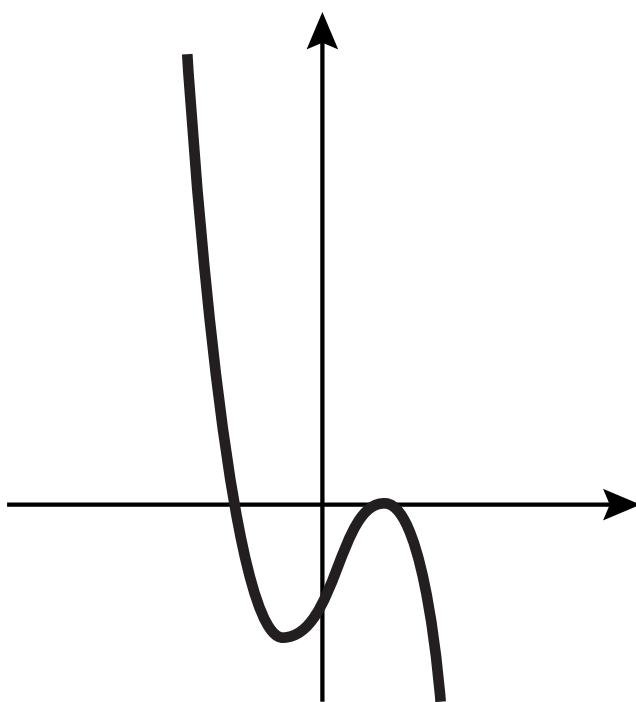
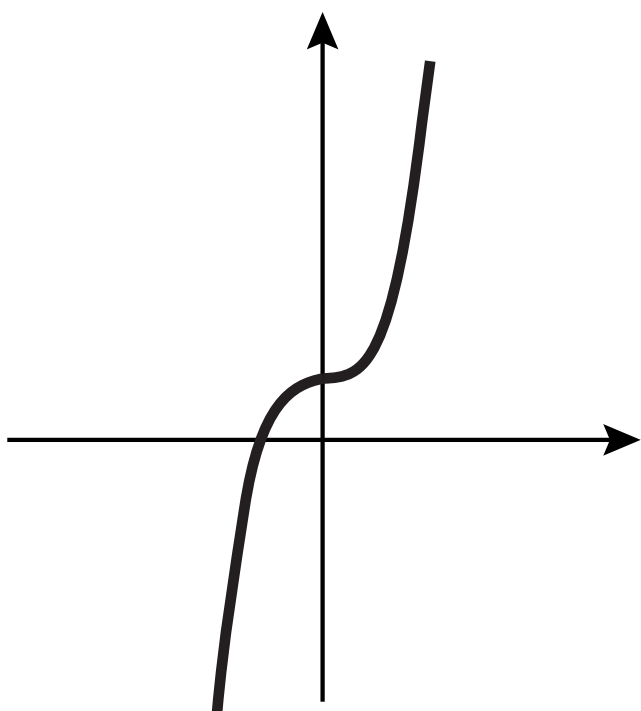
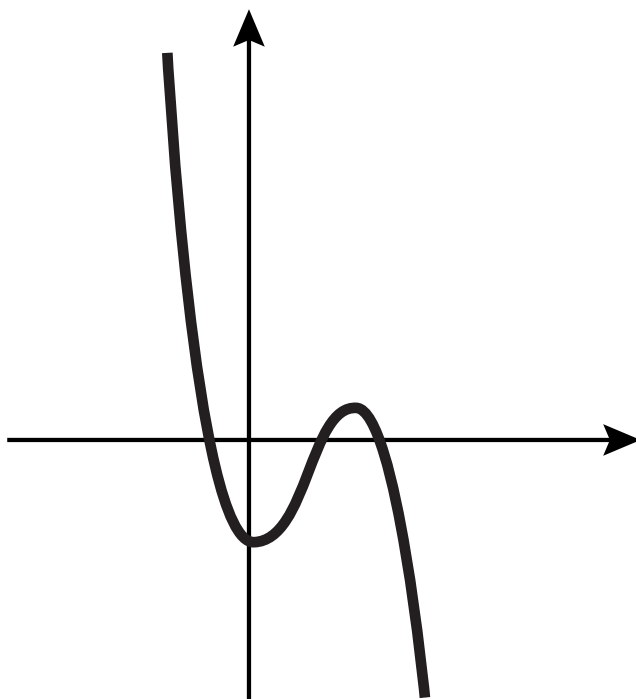
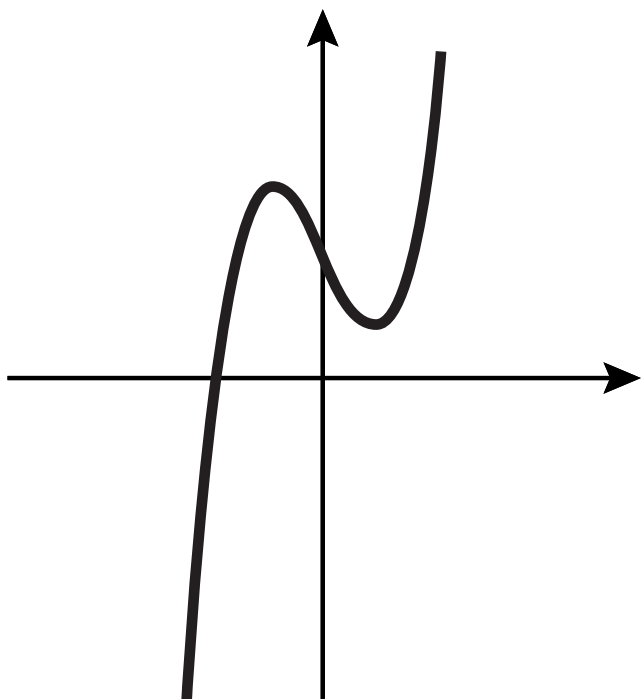
Lswg 6

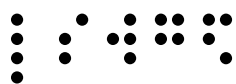


S.78 Merke



Beispiele von Polynomfunktionen dritten Grades

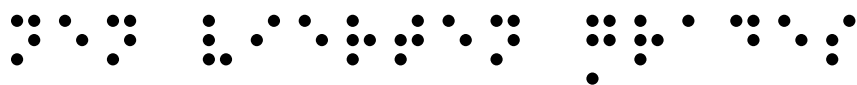
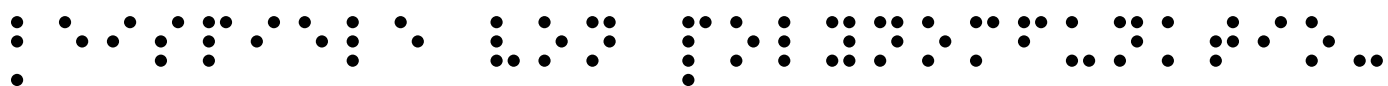




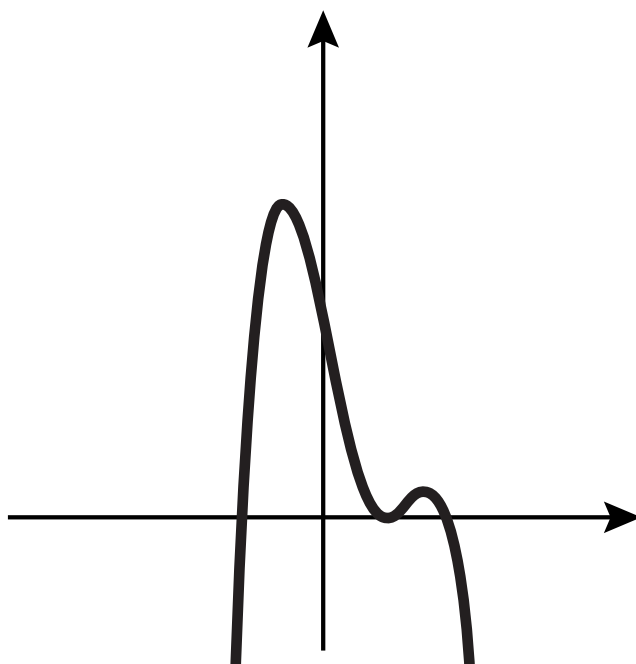
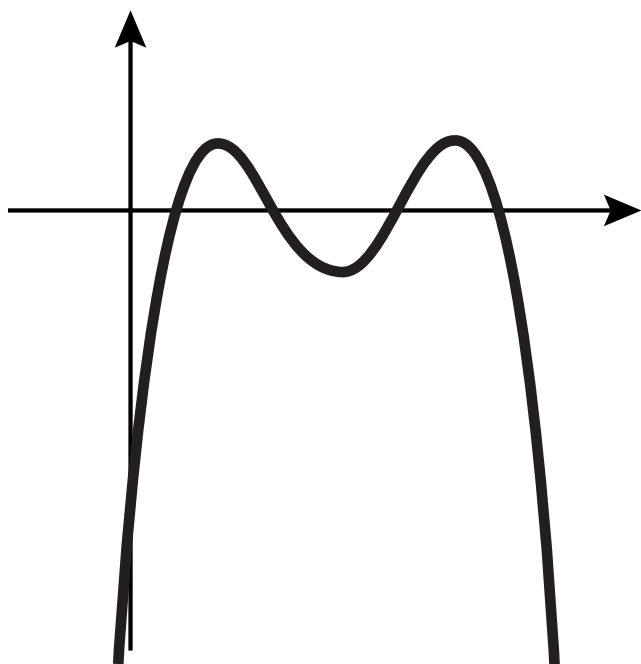
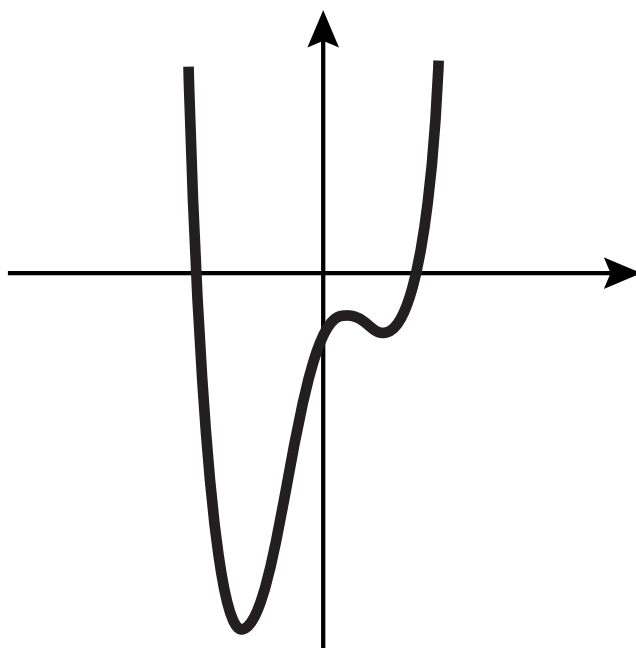
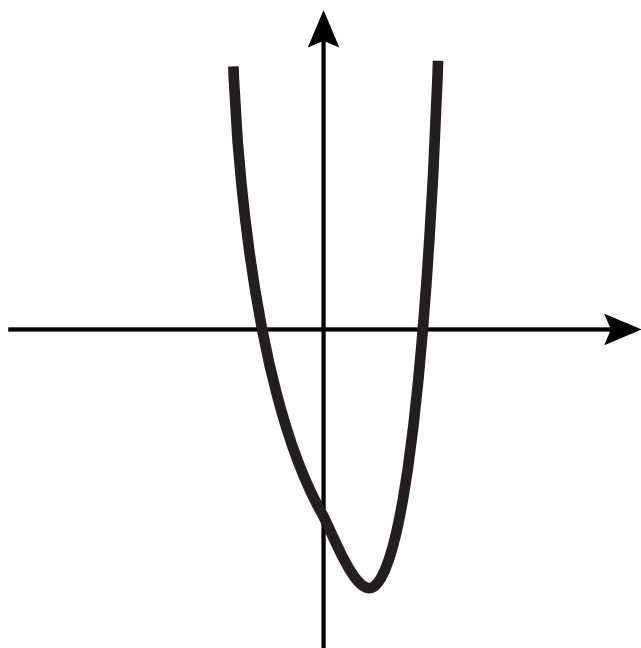
Lswg 6

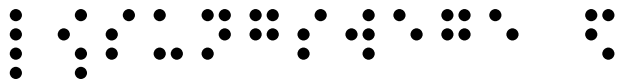
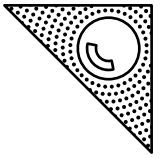


S.78 Merke

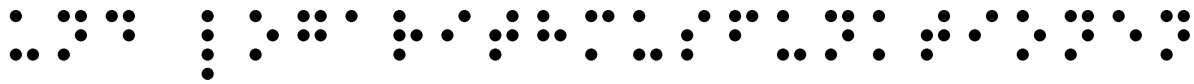
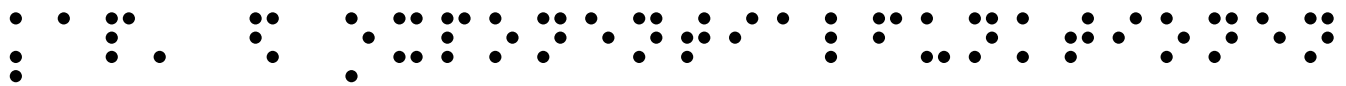


Beispiele von Polynomfunktionen vierten Grades





Lösungswege 6

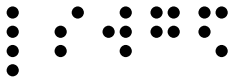


Kap. 6 Exponentialfunktionen und Logarithmusfunktionen

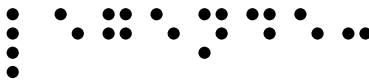
Lösungswege 6

Kap. 6

**Exponentialfunktionen
und Logarithmusfunktionen**



Lswg 6



Legende:



1^x



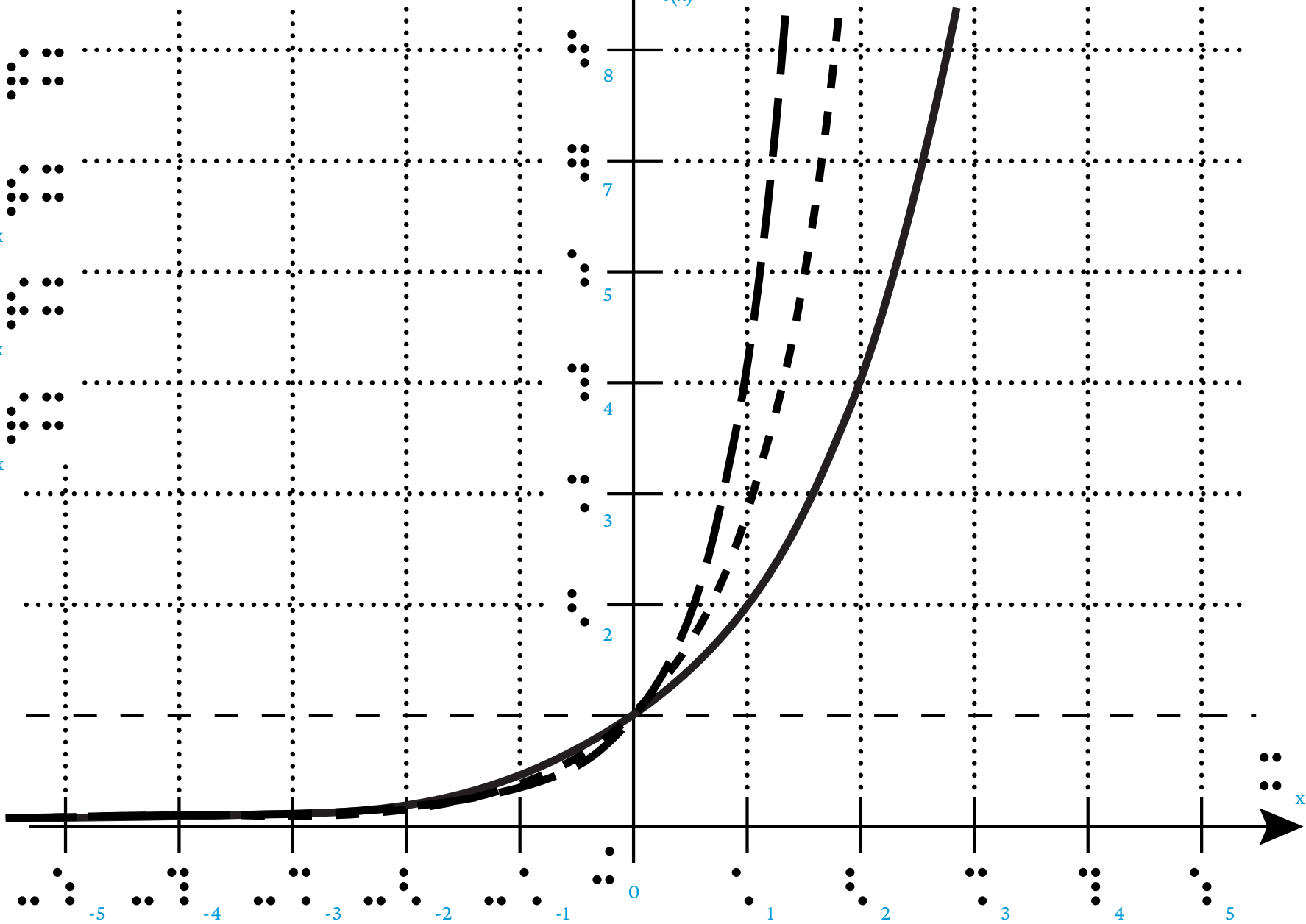
2^x



3^x



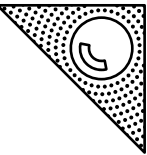
4^x

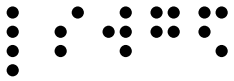


$f(x)$

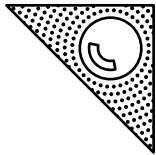
x

S.89 $f(x) = b^x$

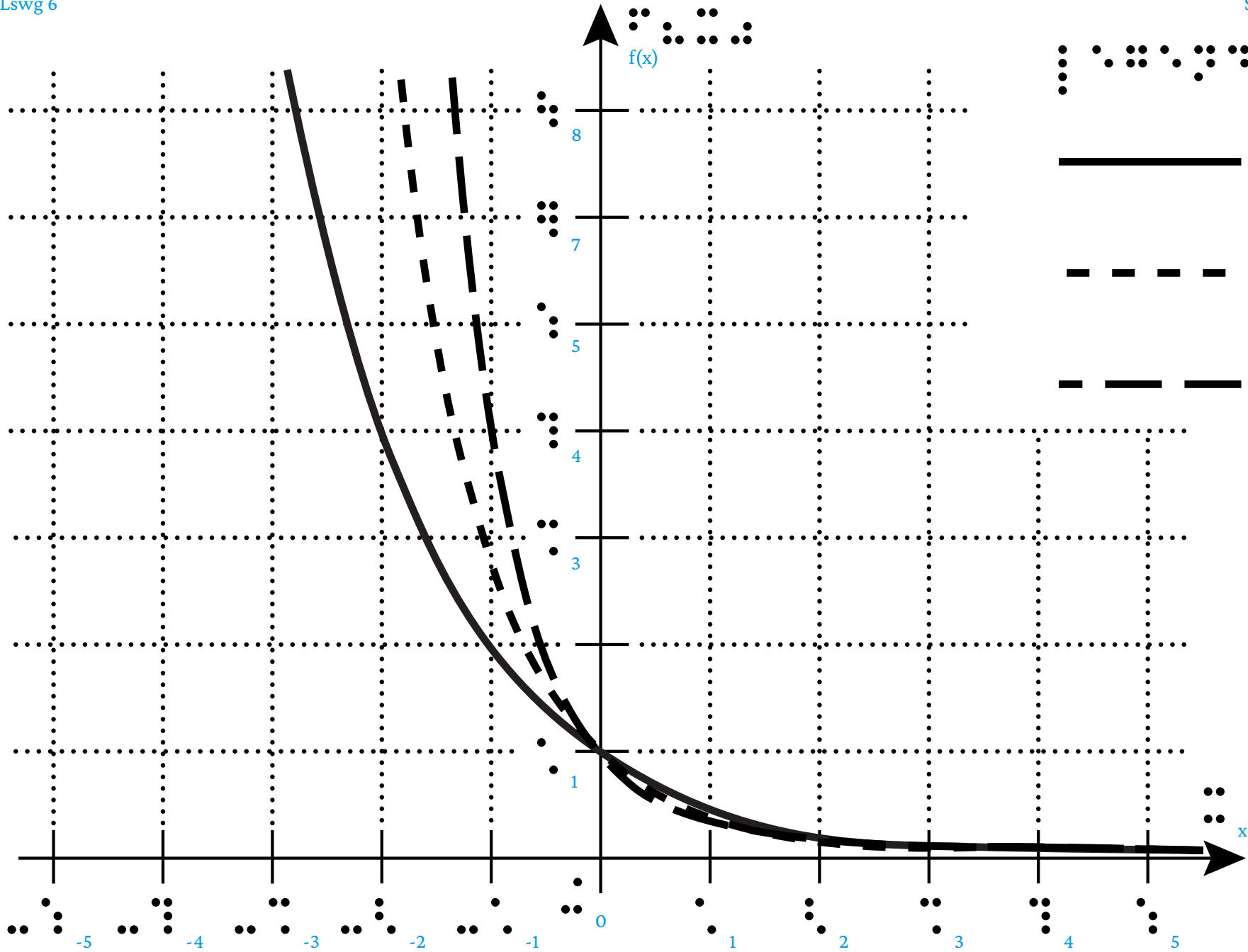




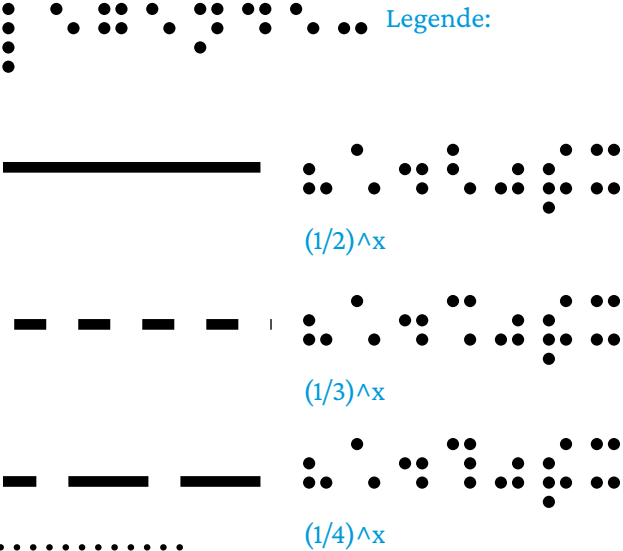
Lswg 6

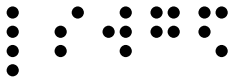


S.89 $f(x) = b^{x \cdot 2/2}$

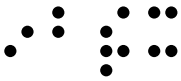
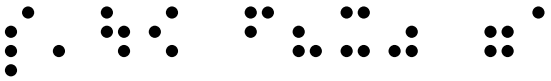


Legende:

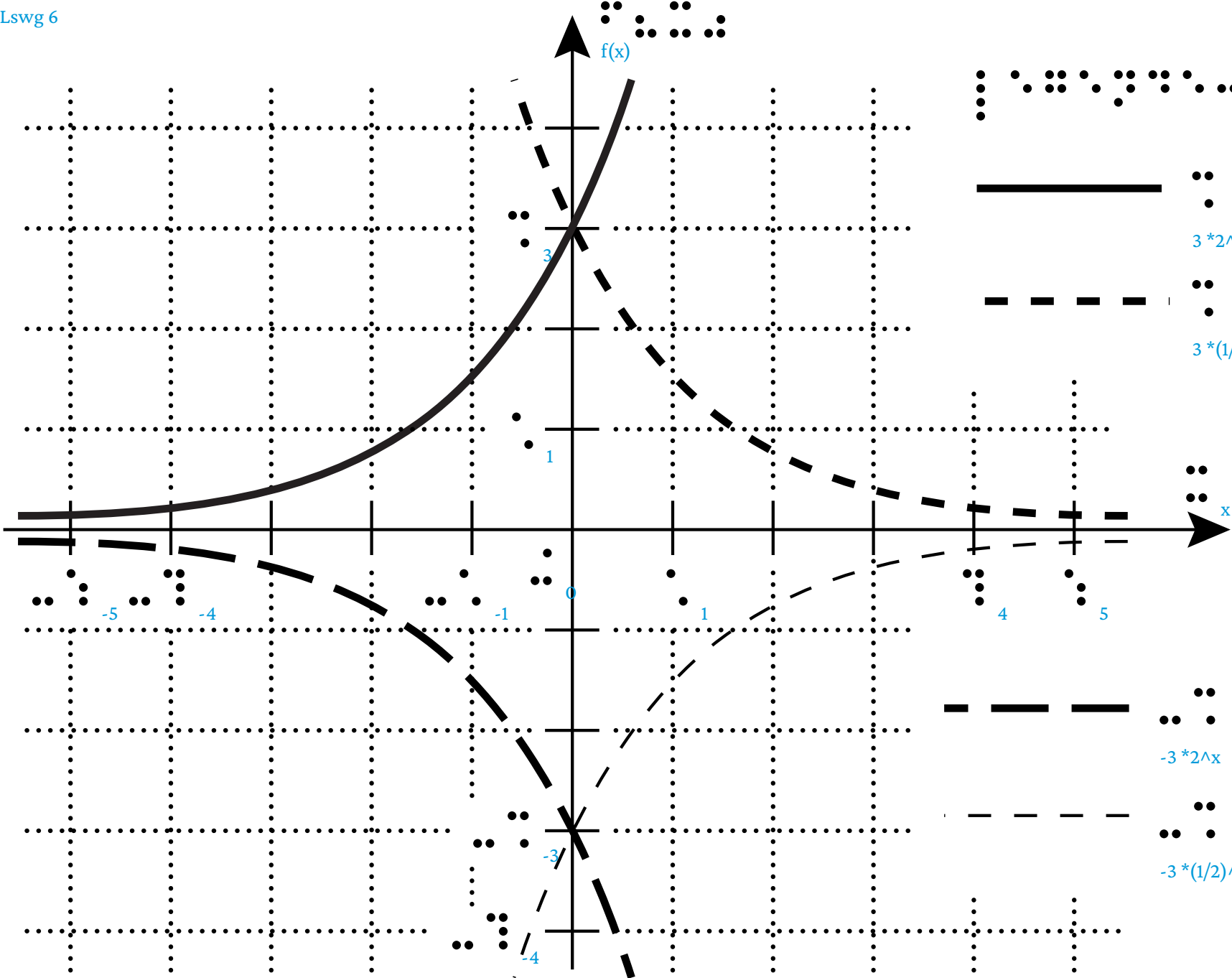
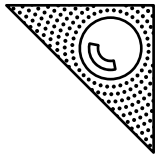




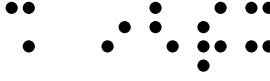
Lswg 6



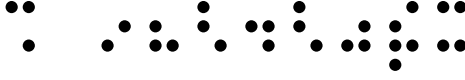
S.89 $f(x) = a \cdot b^x$



Legende:



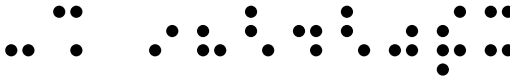
$3 \cdot 2^x$



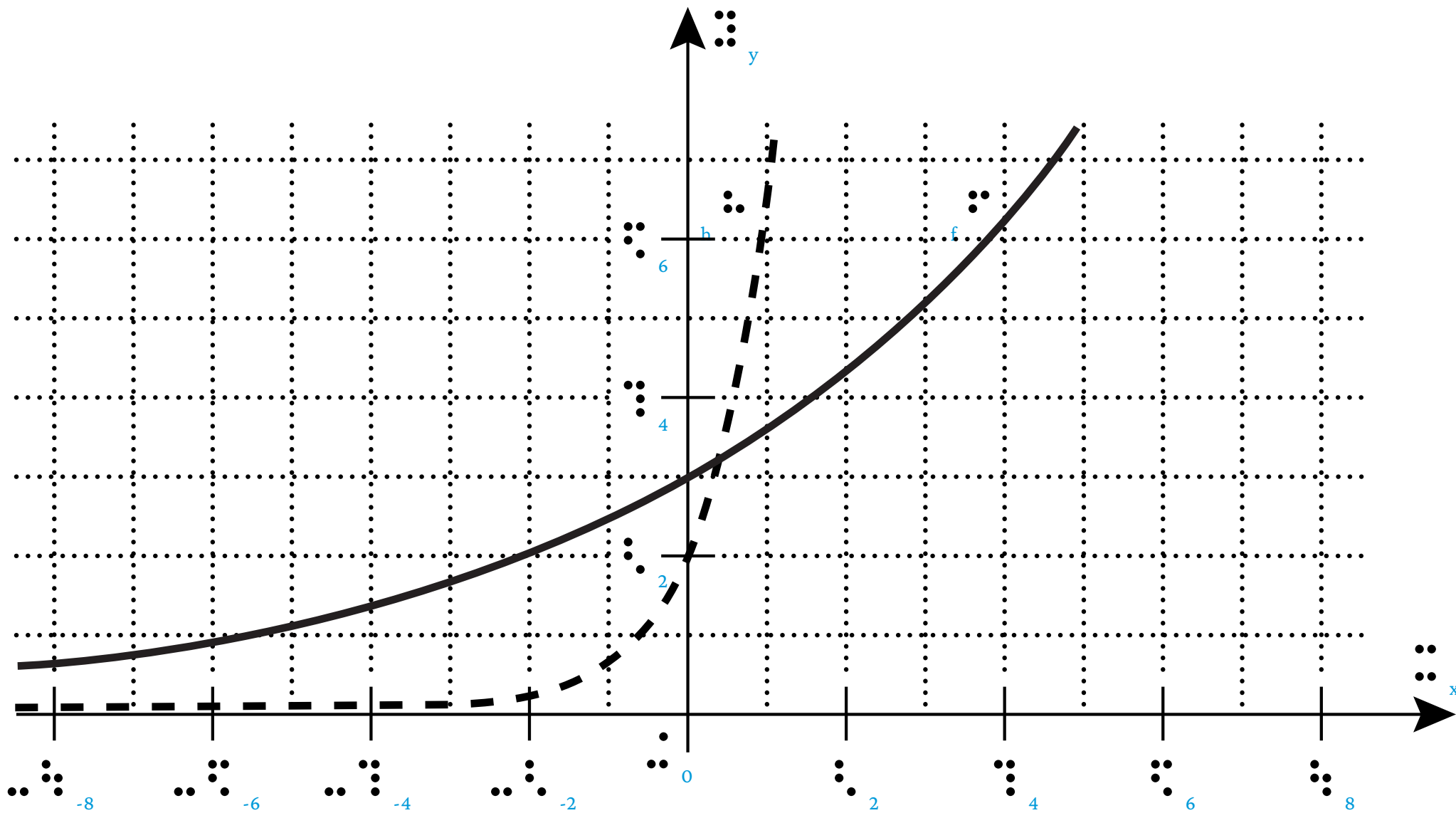
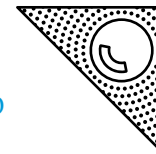
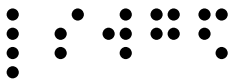
$3 \cdot (1/2)^x$

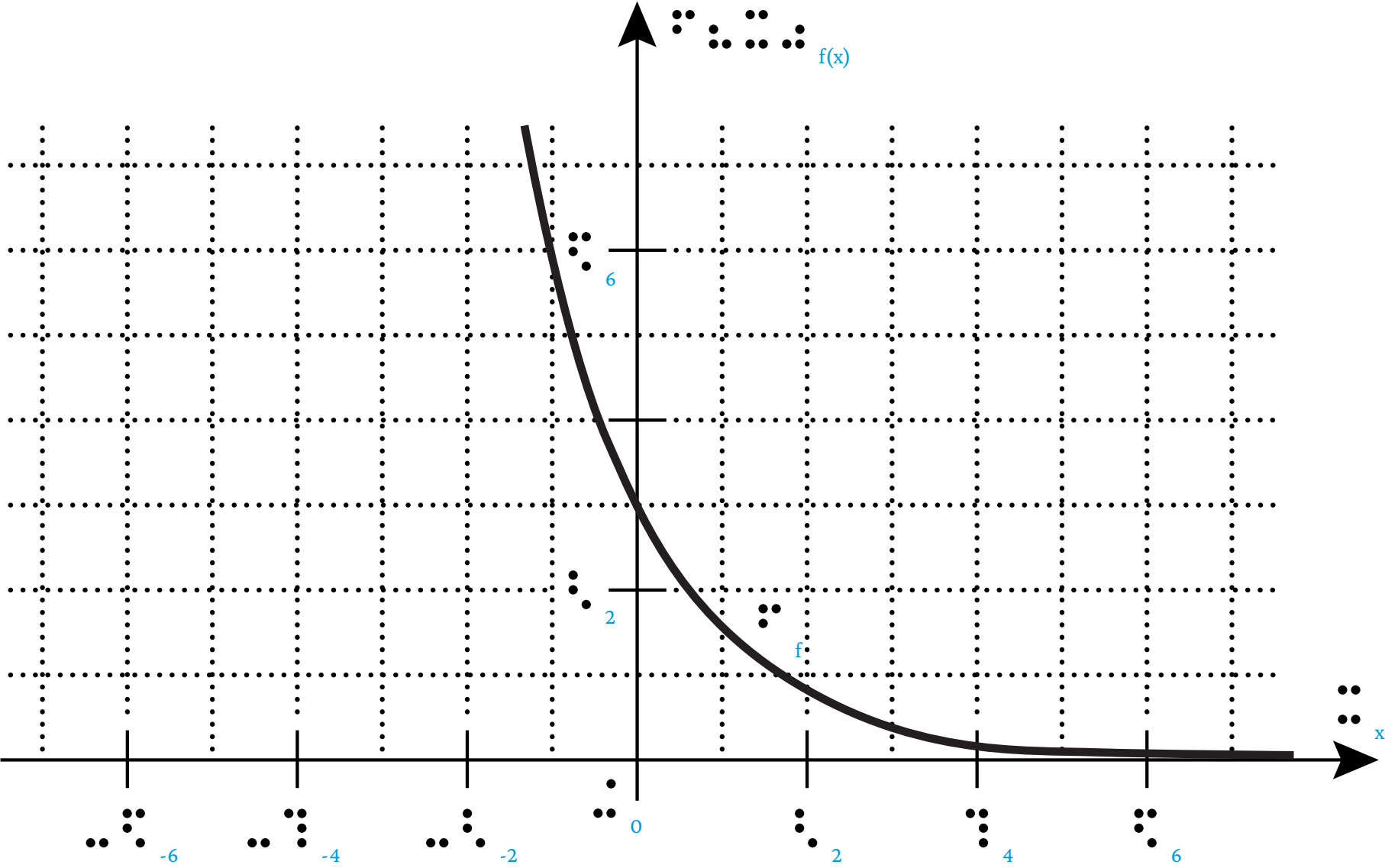
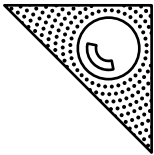
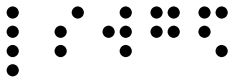


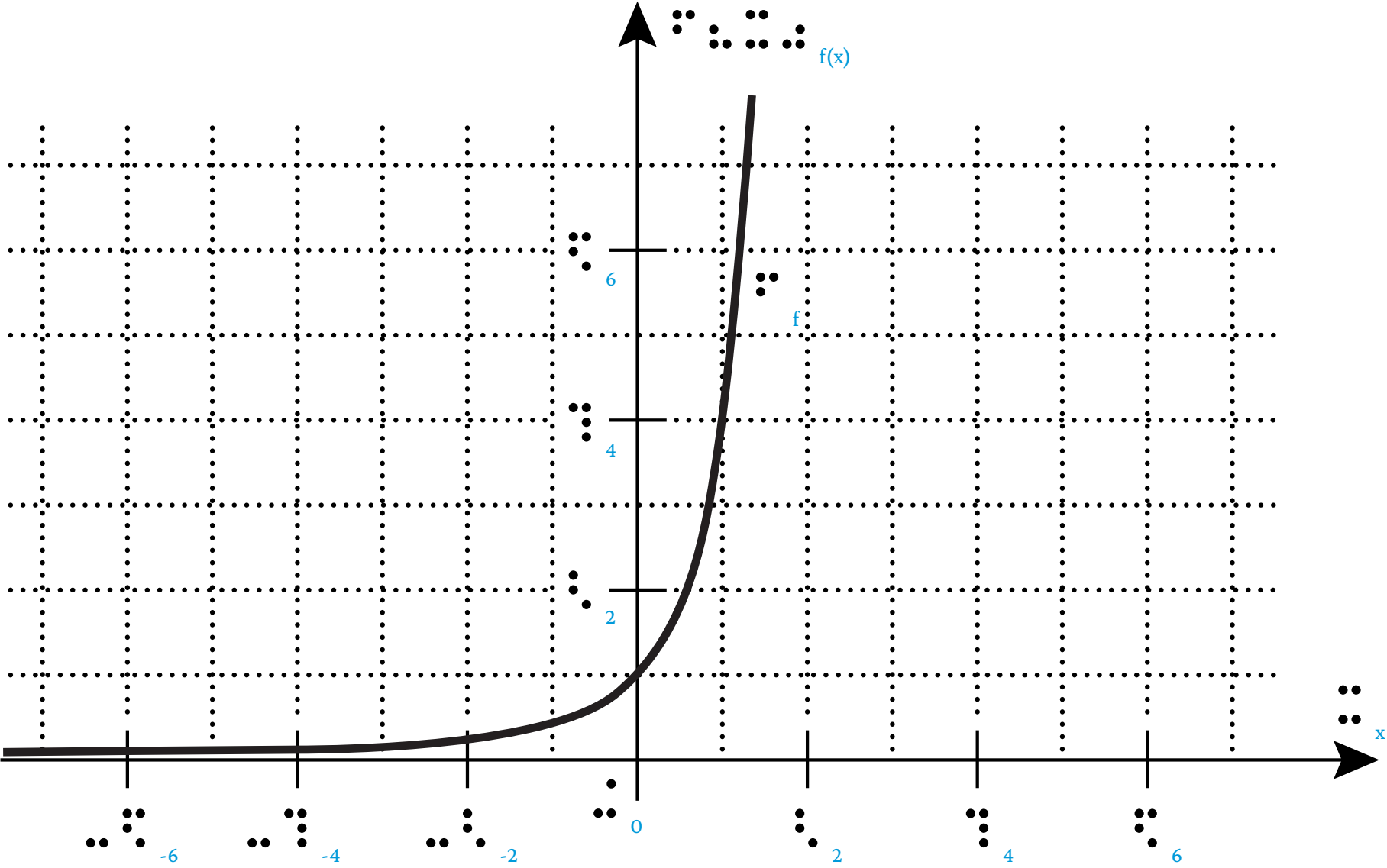
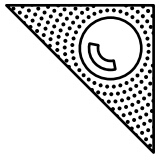
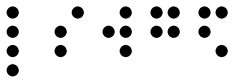
$-3 \cdot 2^x$

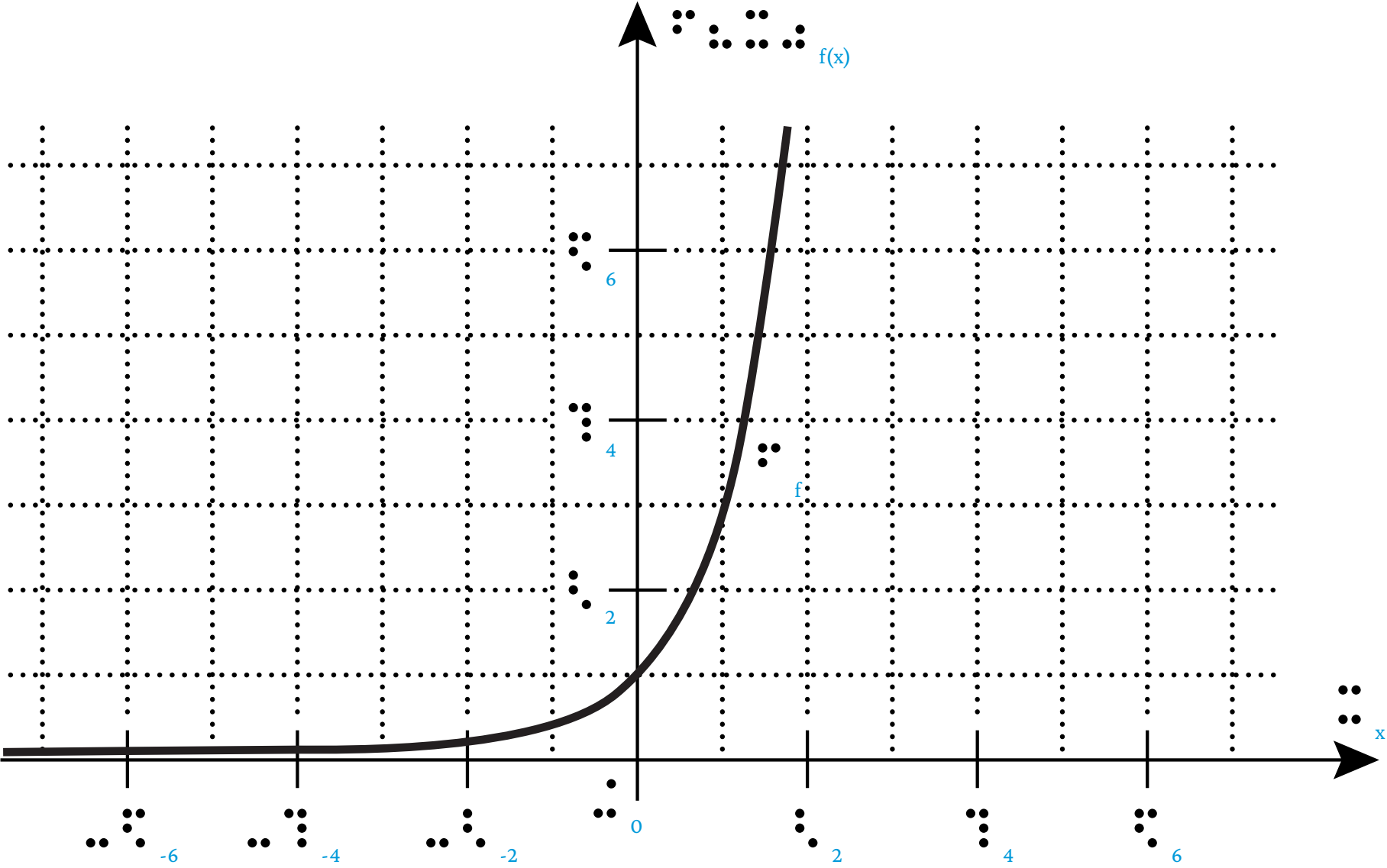
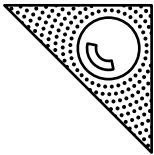
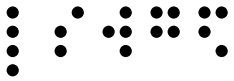


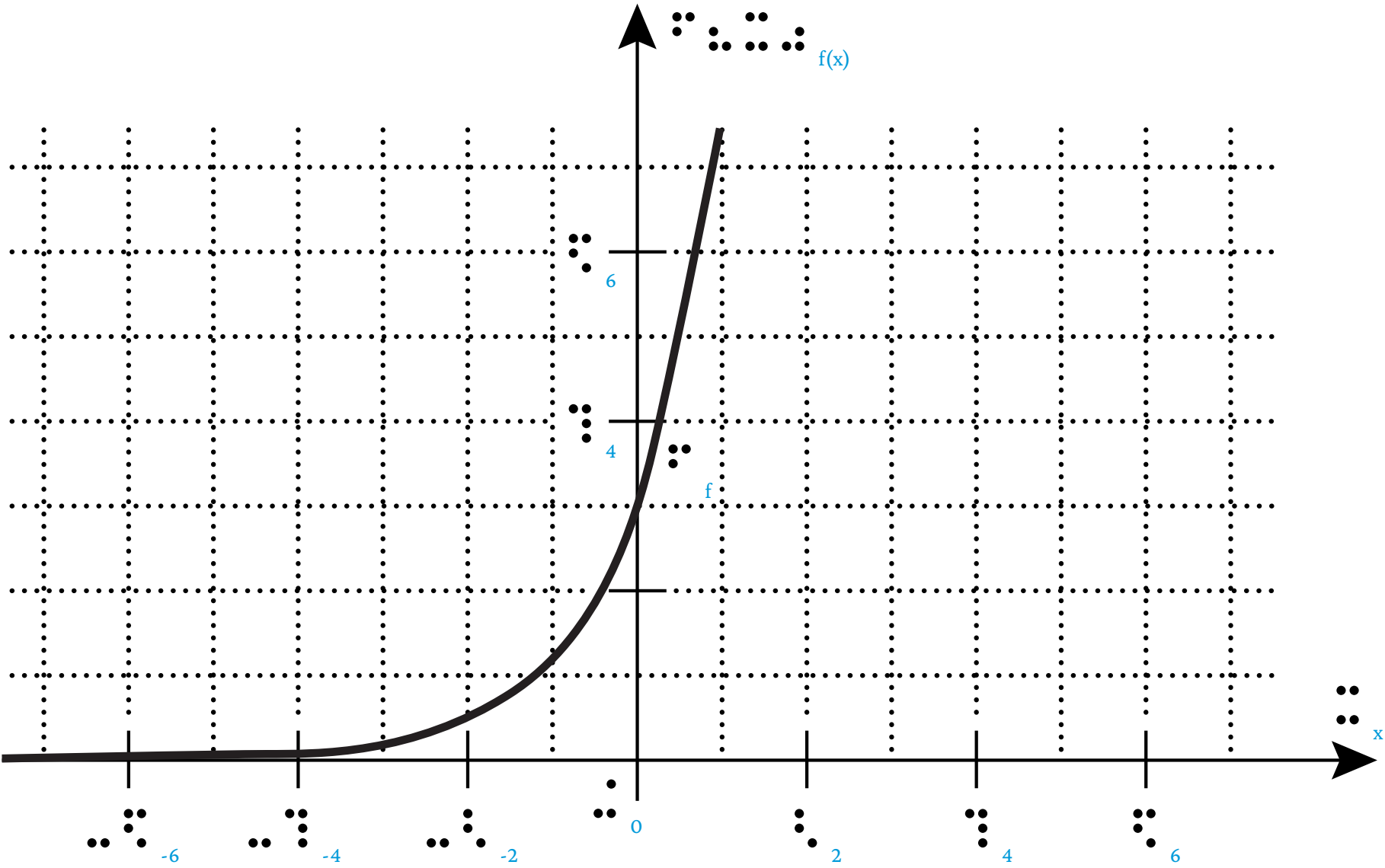
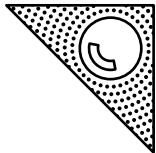
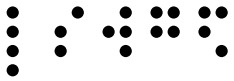
$-3 \cdot (1/2)^x$

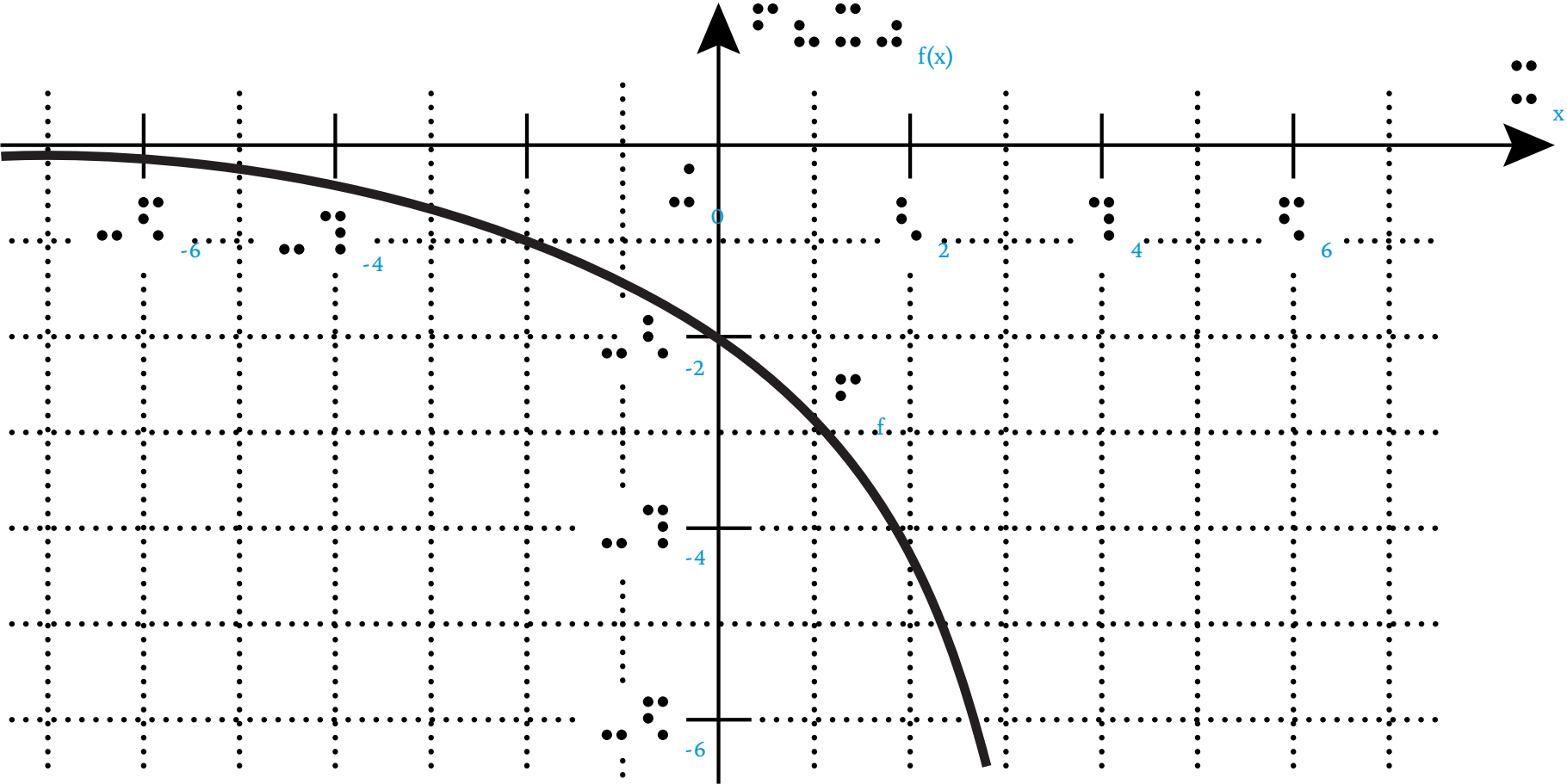
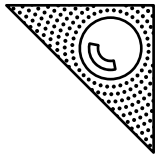
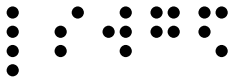


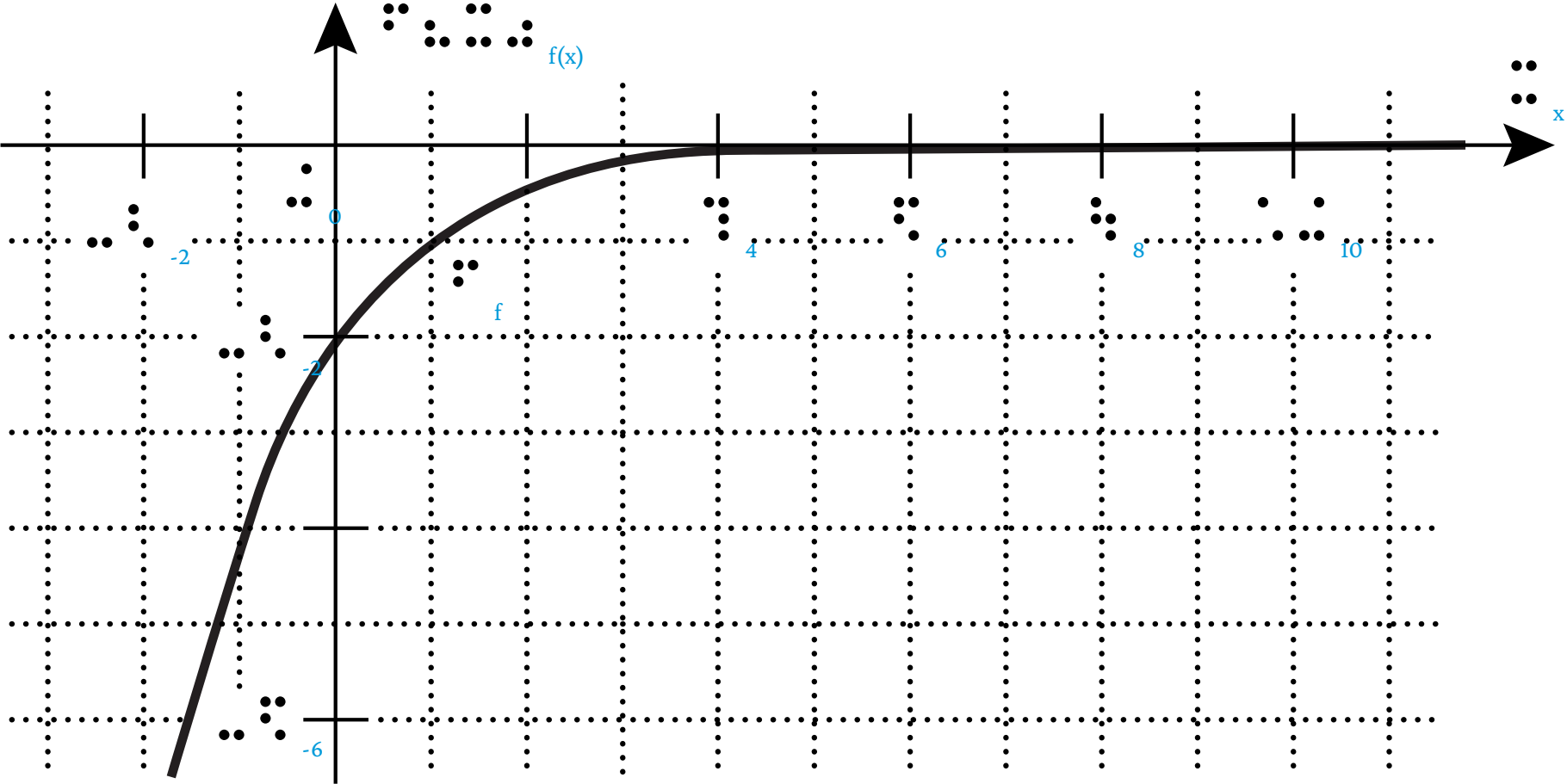
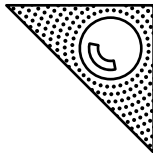
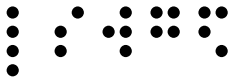


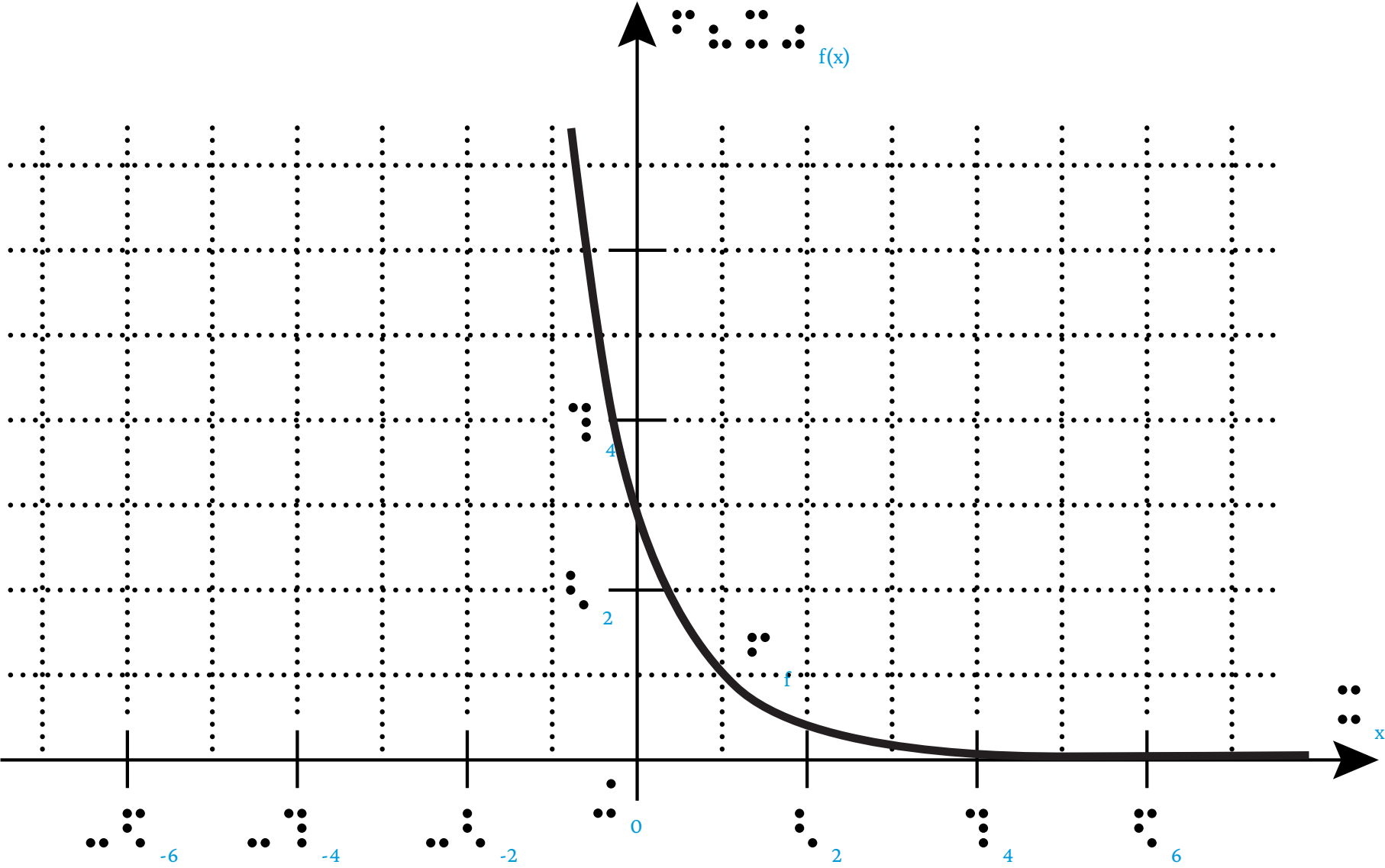
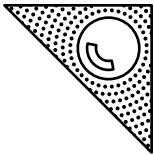
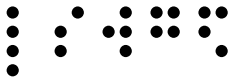


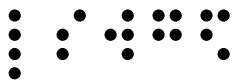












Lswg 6



S.93 363 a)

