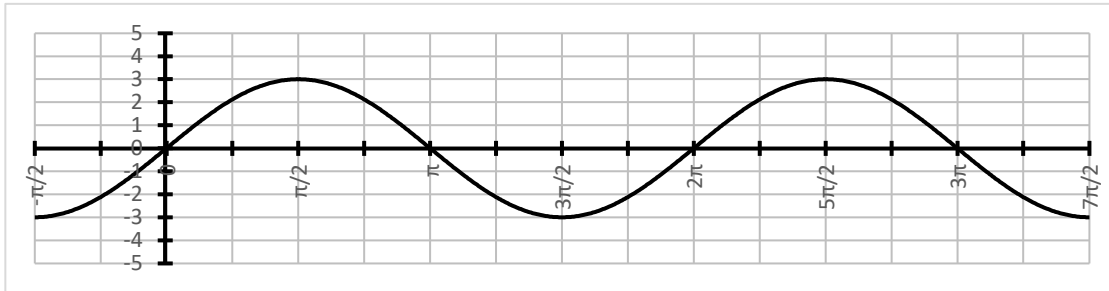


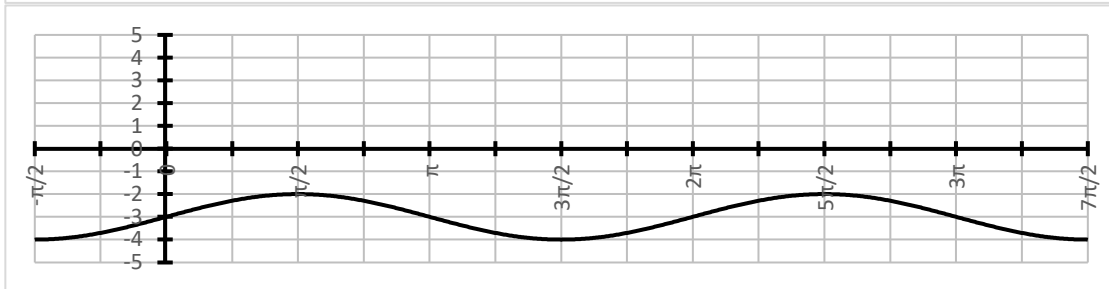
Sinusfunktion ablesen

Aufgabe 1: Bestimme die zugehörige Funktionsgleichung der Form $f(x) = a \cdot \sin(b \cdot (x - c)) + d$

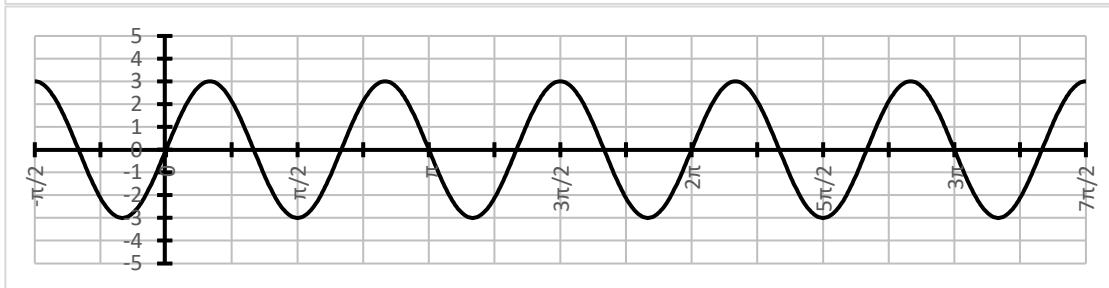
a)



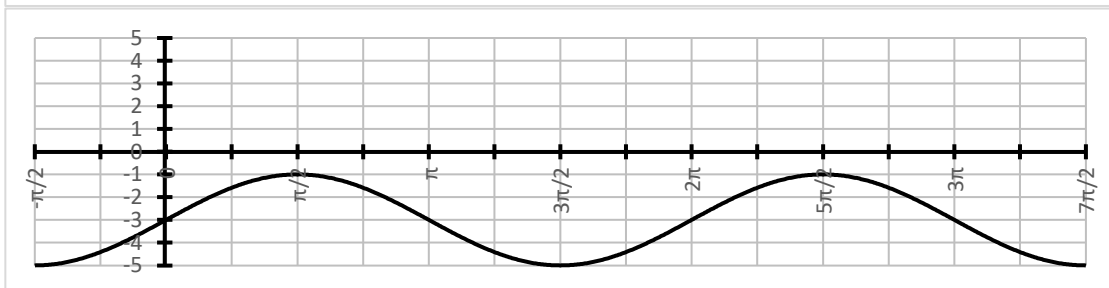
b)



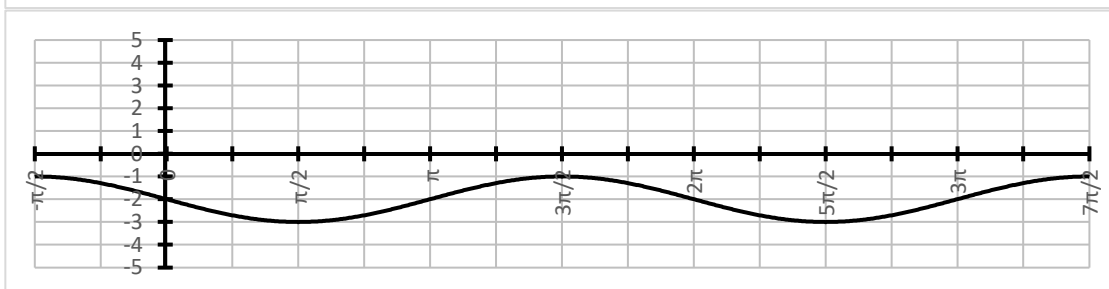
c)



d)



e)



a) $f(x) =$

b) $f(x) =$

c) $f(x) =$

d) $f(x) =$

e) $f(x) =$

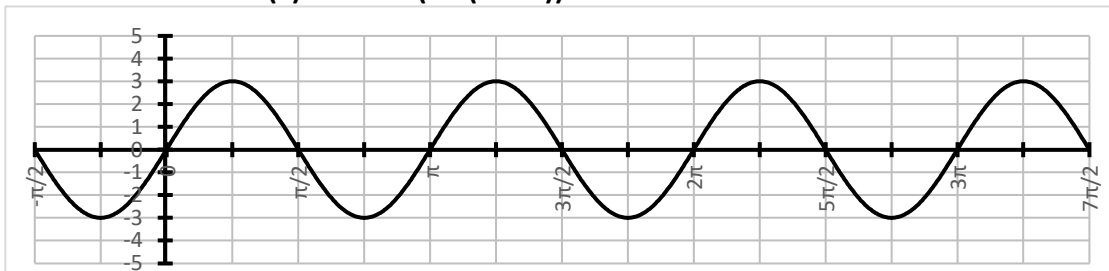
Erklärvideo



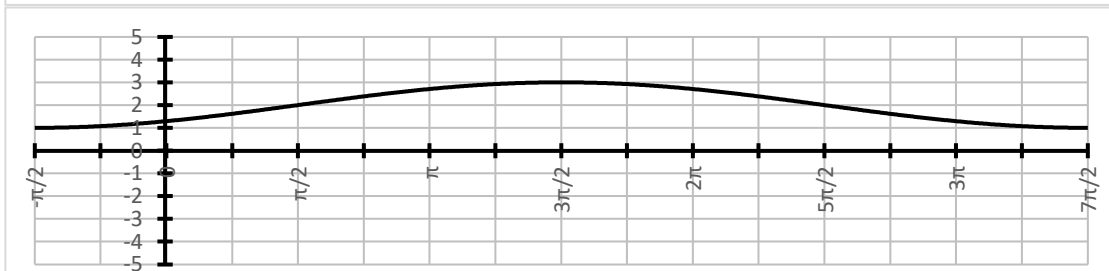
Sinusfunktion ablesen

**Aufgabe 2: Bestimme die zugehörige Funktionsgleichung
der Form $f(x) = a \cdot \sin(b \cdot (x - c)) + d$**

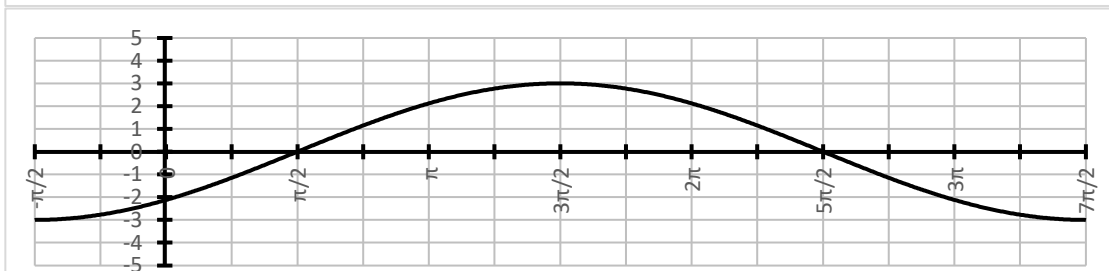
a)



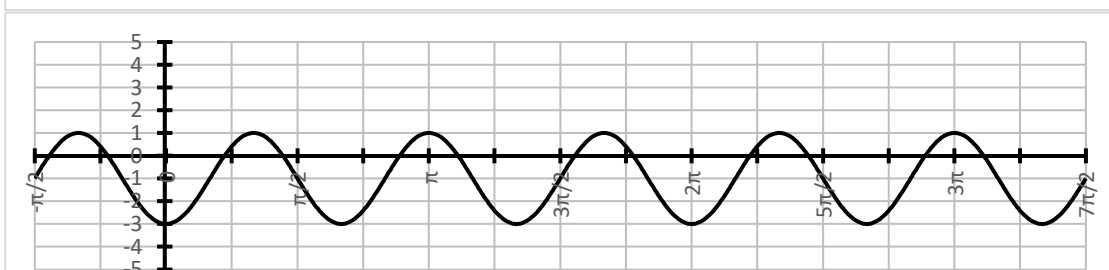
b)



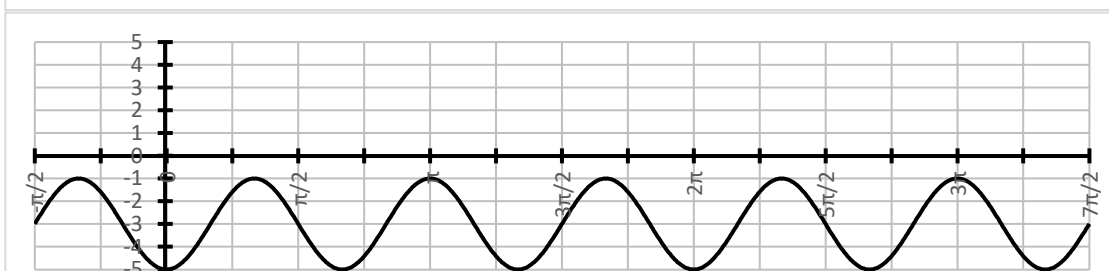
c)



d)



e)



a) $f(x) =$

b) $f(x) =$

c) $f(x) =$

d) $f(x) =$

e) $f(x) =$

Erklärvideo



Lösung:

Aufgabe 1

a) $f(x) = 3 \cdot \sin(x)$

b) $f(x) = \sin(x) - 3$

c) $f(x) = 3 \cdot \sin(3x)$

d) $f(x) = 2 \cdot \sin(x) - 3$

e) $f(x) = \sin(x - \pi) - 2$

Aufgabe 2

a) $f(x) = 3 \cdot \sin(2 \cdot (x - \pi))$

b) $f(x) = \sin(0,5 \cdot (x - \pi/2)) + 2$

c) $f(x) = 3 \cdot \sin(0,5 \cdot (x - \pi/2))$

d) $f(x) = 2 \cdot \sin(3 \cdot (x - 3\pi/2)) - 1$

e) $f(x) = 2 \cdot \sin(3 \cdot (x - 3\pi/2)) - 3$