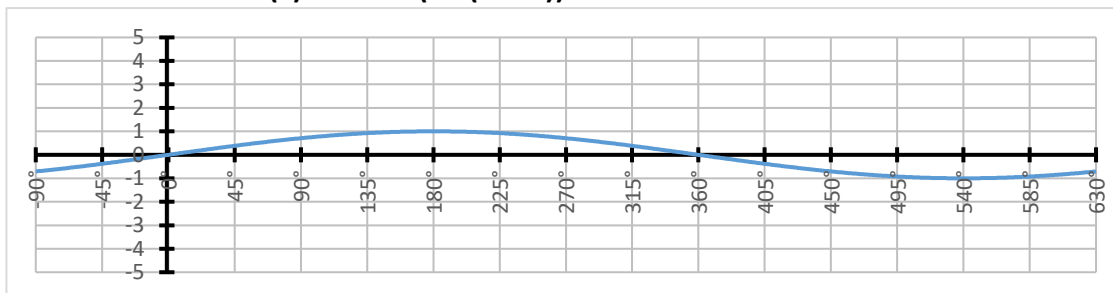


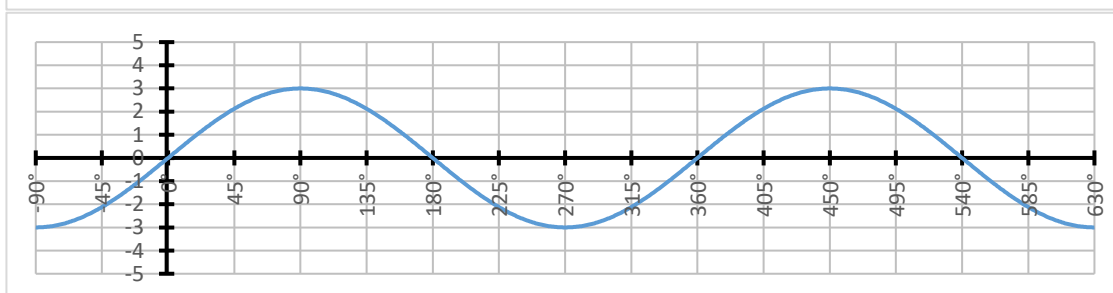
Sinusfunktion ablesen

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

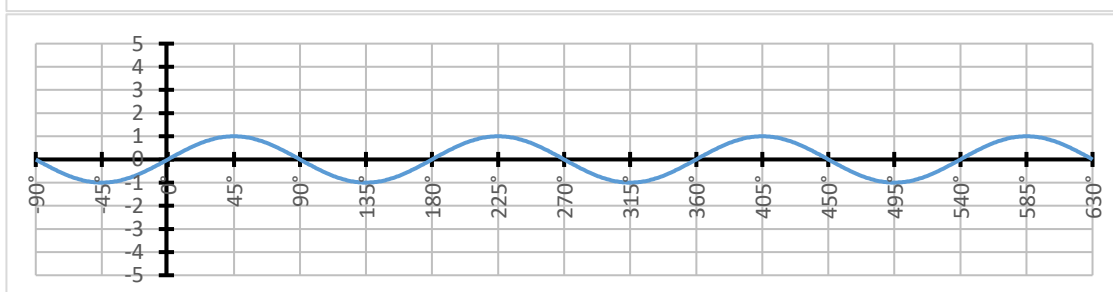
a)



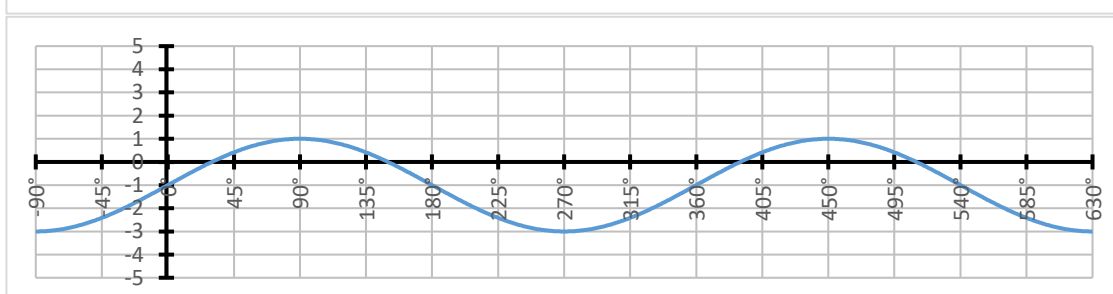
b)



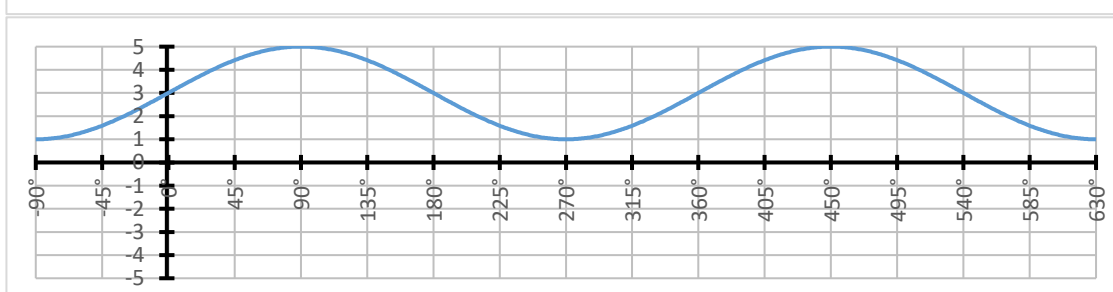
c)



d)



e)



- a) $f(x) =$
- b) $f(x) =$
- c) $f(x) =$
- d) $f(x) =$
- e) $f(x) =$

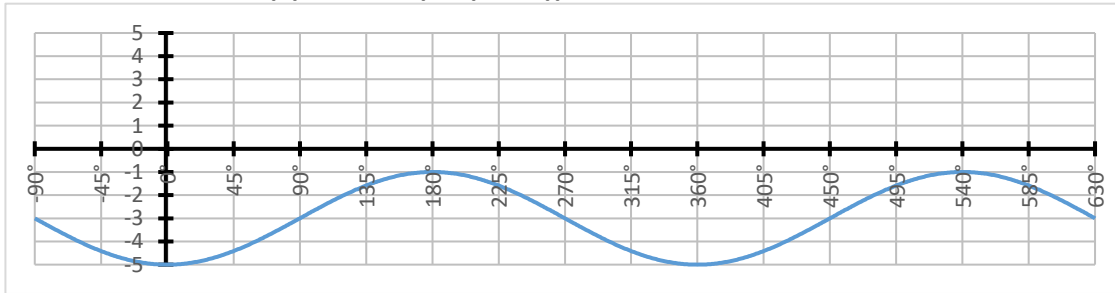
Erklärvideo



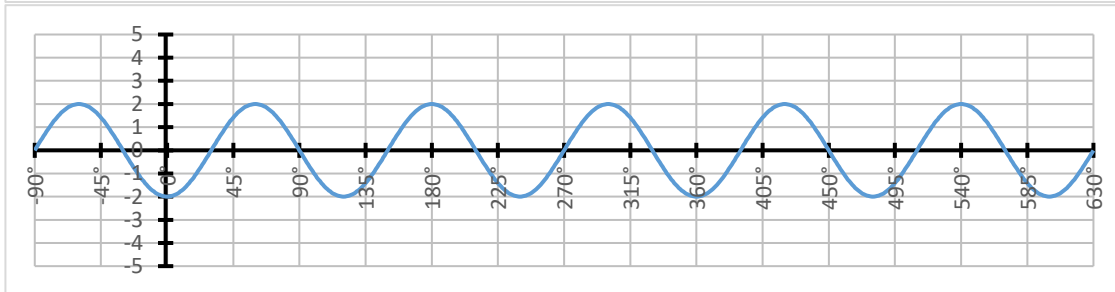
Sinusfunktion ablesen

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

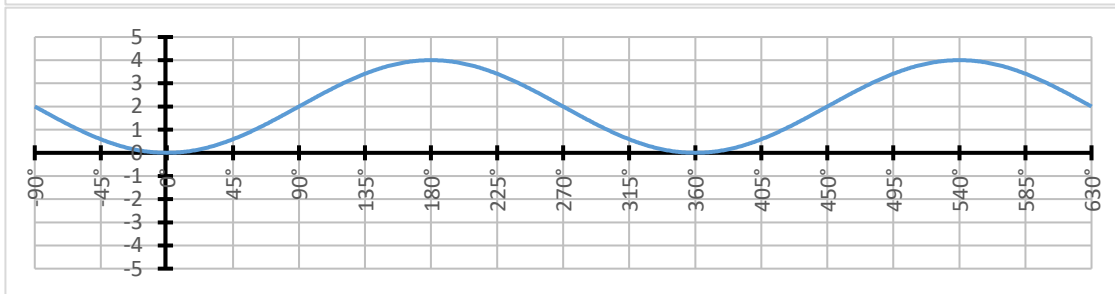
a)



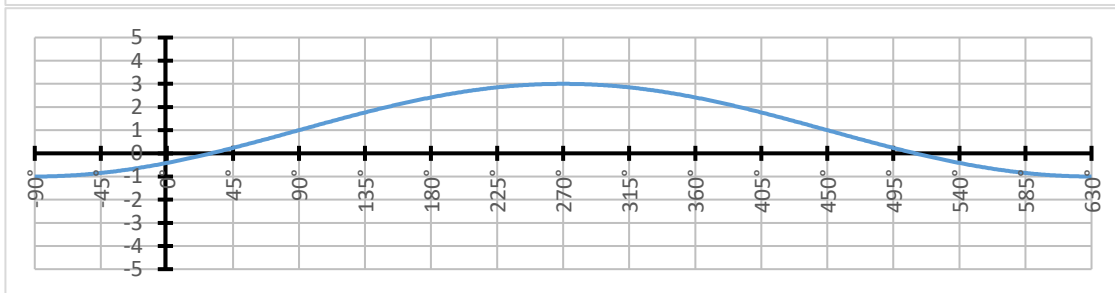
b)



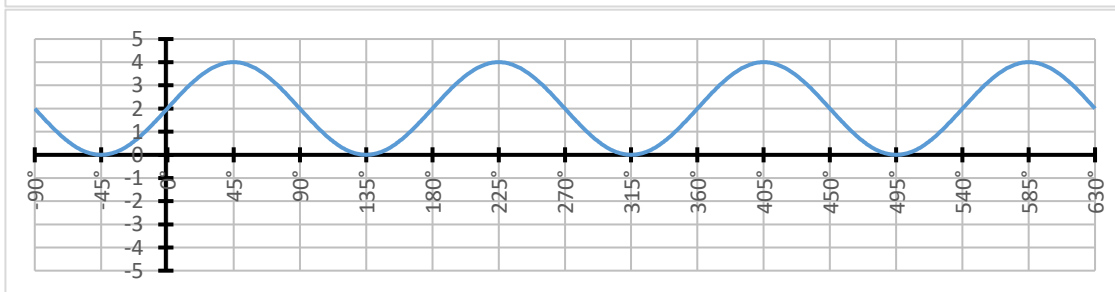
c)



d)



e)



a) $f(x) =$

b) $f(x) =$

c) $f(x) =$

d) $f(x) =$

e) $f(x) =$

Erklärvideo



Lösung:

Aufgabe 1

a) $f(x) = \sin (0,5 x)$

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

c) $f(x) = \sin (2 \cdot (x - 180^\circ))$

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

e) $f(x) = 2 \cdot \sin (x) + 3$

Aufgabe 2

a) $f(x) = 2 \cdot \sin (x - 90^\circ) - 3$

b) $f(x) = 2 \cdot \sin (3 \cdot (x - 270^\circ))$

c) $f(x) = 2 \cdot \sin (x - 90^\circ) + 2$

d) $f(x) = 2 \cdot \sin (0,5 \cdot (x - 90^\circ)) + 1$

e) $f(x) = 2 \cdot \sin (2 \cdot (x - 180^\circ)) + 2$