

HA Fr, 6.12.2024

a: $f(x) = -\sin(2,5x) + 1$

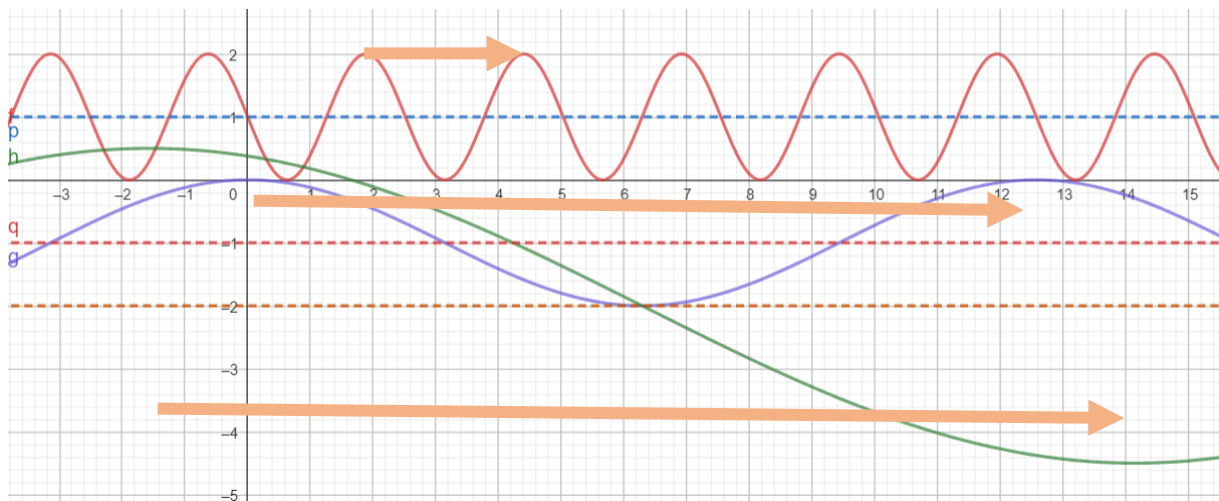
Stauchung

b: $f(x) = \cos(0,5x) - 1$

Streckung

c: $g(x) = 2,5 \cos(0,2(x + \pi/2)) - 2$

Streckung, Streckung y, Verschiebung x,
Verschiebung y



Auswertung der Funktionsterme:

a:	Amplitude	$a = 1,$	$k = 2,5 \Rightarrow p = \frac{4}{5} \pi = 2,5 \dots$	$c = +1$
b:	Amplitude	$a = 1,$	$k = 0,5 \Rightarrow p = 4\pi = 12,56$	$c = -1$
c:	Aplitude	$a = 2,5$	$k = 0,2 \Rightarrow p = 10\pi = 31,4$	$c = -2$