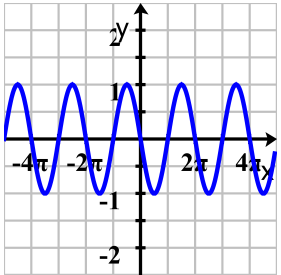
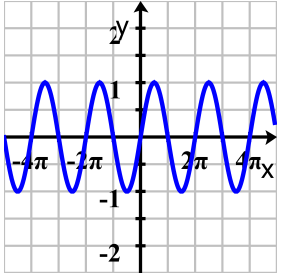
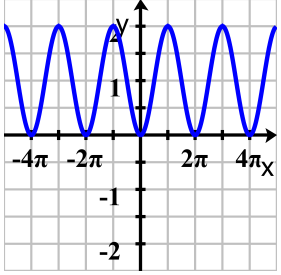
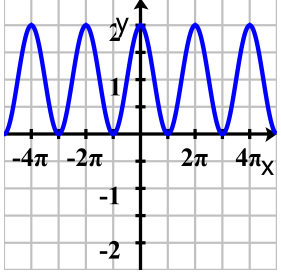
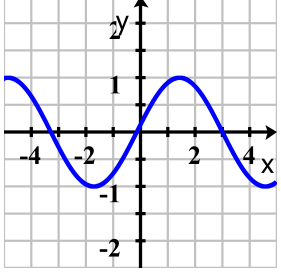
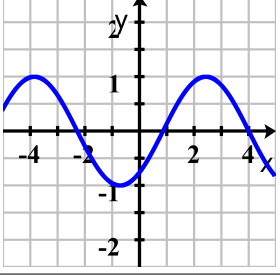
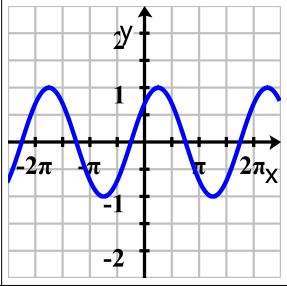
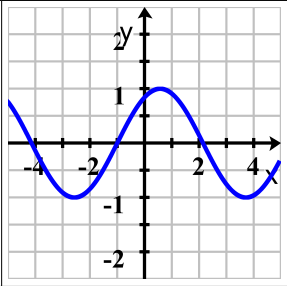
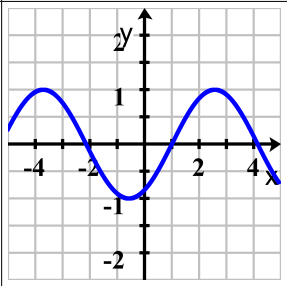
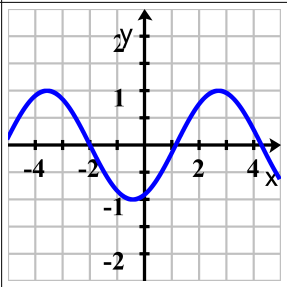
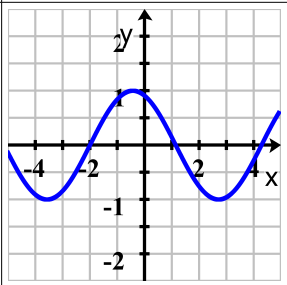
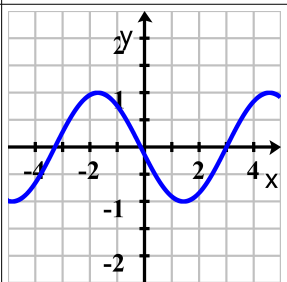
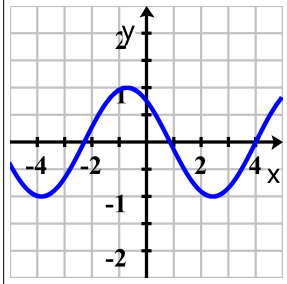
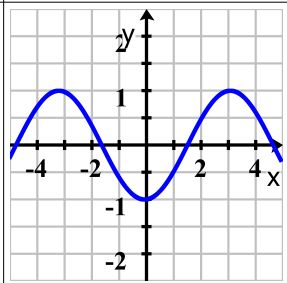
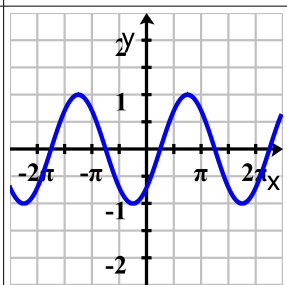


## Trigonometrische Funktionen: horizontale Verschiebung

Nr	Funktionsgleichung / b	Schaubild
1	$f(x) = \sin(x - \pi) \quad b = \pi$	
2	$f(x) = \sin(x + 2\pi) \quad b = -2\pi$	
3	$f(x) = \sin\left(x - \frac{\pi}{2}\right) + 1 \quad b = \frac{\pi}{2}$	
4	$f(x) = \sin\left(x + \frac{\pi}{2}\right) + 1 \quad b = -\frac{\pi}{2}$	
5	$f(x) = \sin(x + (\pi - 3)) \quad b = -(\pi - 3)$	
6	$f(x) = \sin(x - (4 - \pi)) \quad b = 4 - \pi$	

7	$f(x) = \sin\left(x + \frac{\pi}{4}\right) \quad b = -\frac{\pi}{4}$	
8	$f(x) = \sin(x+1) \quad b=-1$	
9	$f(x) = \sin(x-1) \quad b=1$	
10	$f(x) = \sin(x - (\pi - 2)) \quad b = \pi - 2$	
11	$f(x) = \sin(x+2) \quad b=-2$	
12	$f(x) = \sin(x-3) \quad b=3$	

13	$f(x) = \sin(x - 4) \quad b = 4$	
14	$f(x) = \sin\left(x - \frac{3}{2}\right) \quad b = \frac{3}{2}$	
15	$f(x) = \sin\left(x - \frac{\pi}{4}\right) \quad b = \frac{\pi}{4}$	
16	$f(x) = \sin\left(x - \frac{3}{4}\pi\right) \quad b = \frac{3}{4}\pi$	