

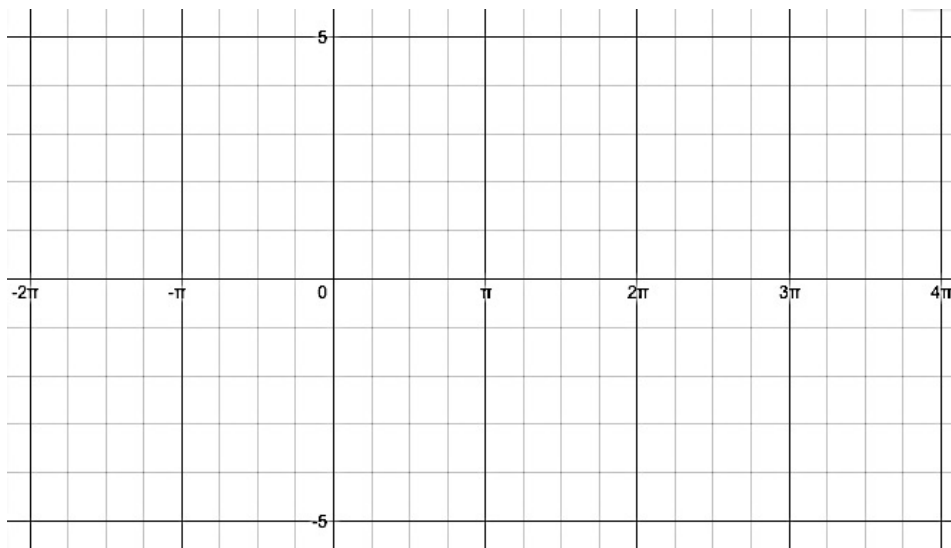
Graphing Practice

Graph each of the following functions and state the transformations.

1. $y = \sin x + 1$

Horizontal Shift = _____ Amplitude = _____ $b =$ _____

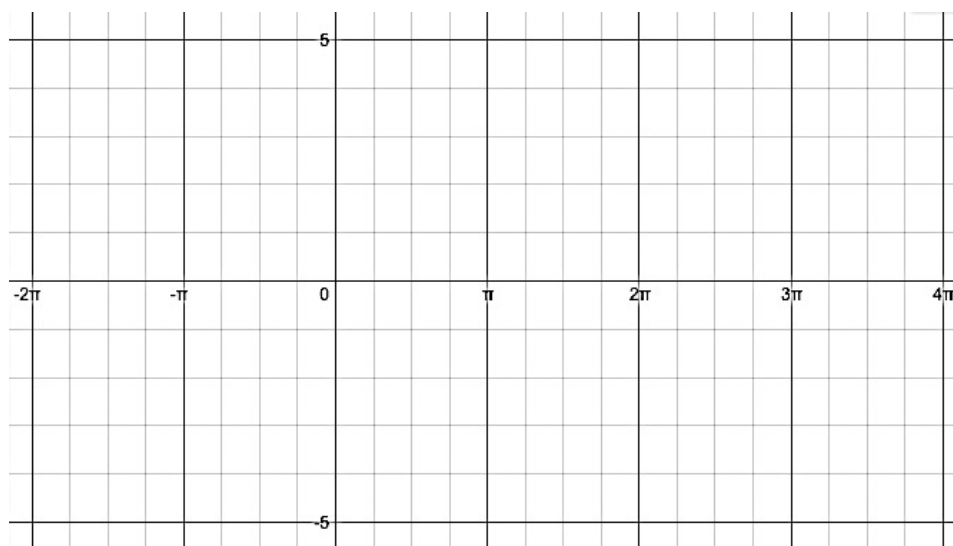
Vertical Shift = _____ Range = _____ Period = _____



2. $y = \cos x - 2$

Horizontal Shift = _____ Amplitude = _____ $b =$ _____

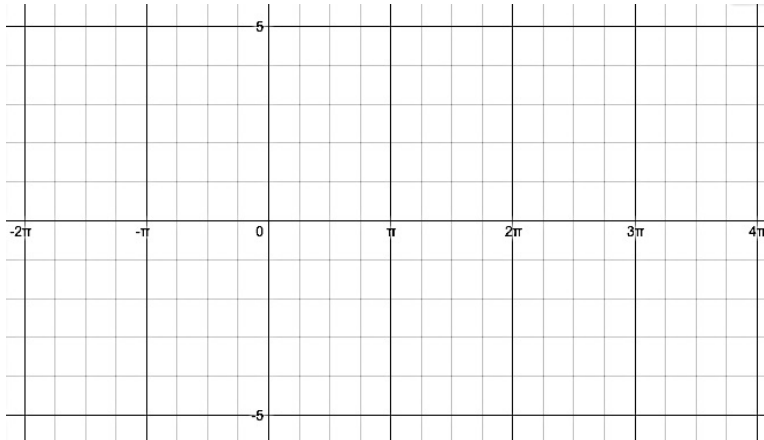
Vertical Shift = _____ Range = _____ Period = _____



3. $y = \sin(x - \pi)$

Horizontal Shift = _____ Amplitude = _____ $b =$ _____

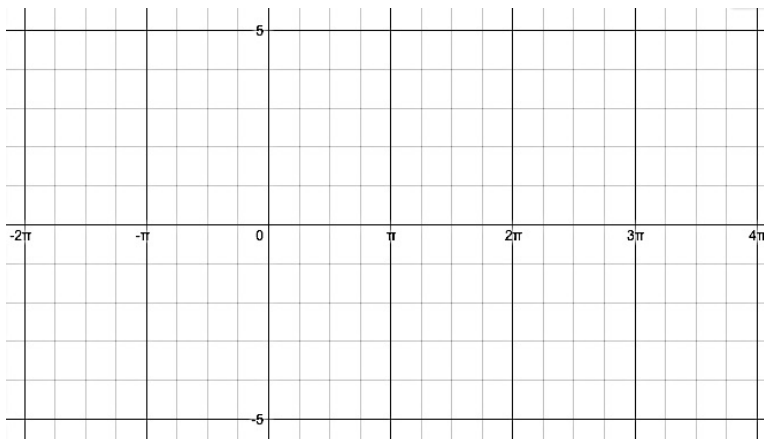
Vertical Shift = _____ Range = _____ Period = _____



4. $y = \cos\left(x + \frac{\pi}{2}\right)$

Horizontal Shift = _____ Amplitude = _____ $b =$ _____

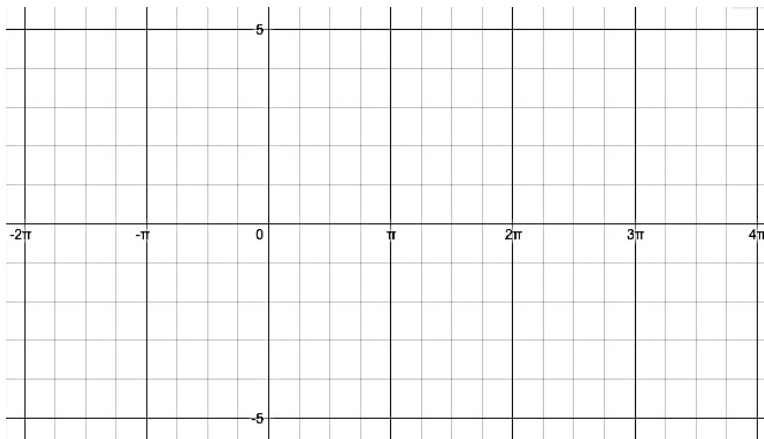
Vertical Shift = _____ Range = _____ Period = _____



5. $y = -\sin x$

Horizontal Shift = _____ Amplitude = _____ $b =$ _____

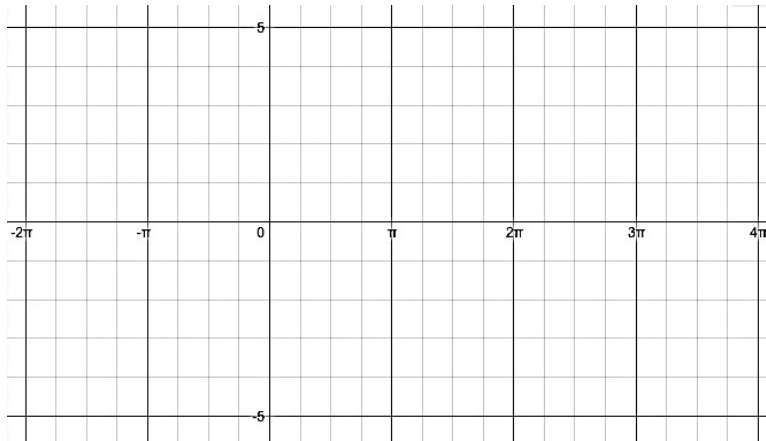
Vertical Shift = _____ Range = _____ Period = _____



6. $y = \cos x$

Horizontal Shift = _____ Amplitude = _____ b = _____

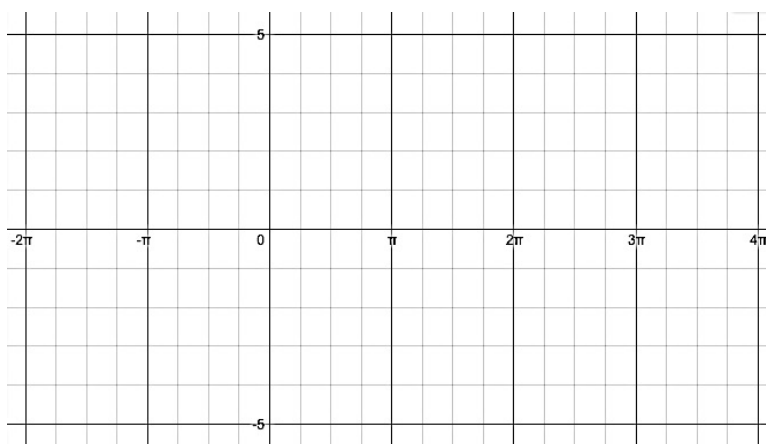
Vertical Shift = _____ Range = _____ Period = _____



7. $y = -2 \sin(2x)$

Horizontal Shift = _____ Amplitude = _____ b = _____

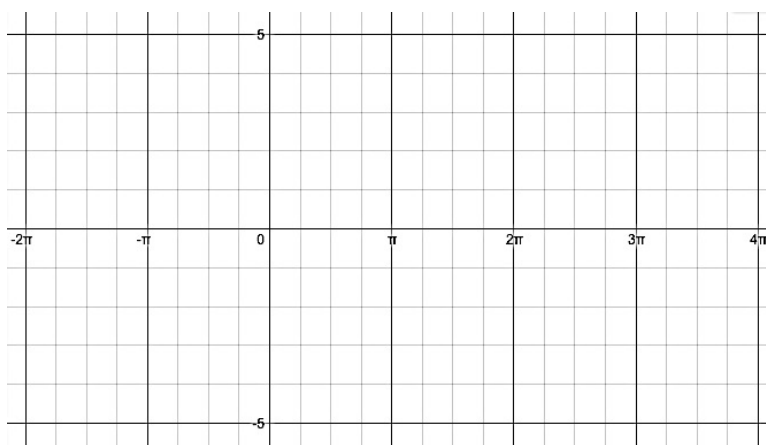
Vertical Shift = _____ Range = _____ Period = _____



8. $y = 3 \cos x + 2$

Horizontal Shift = _____ Amplitude = _____ b = _____

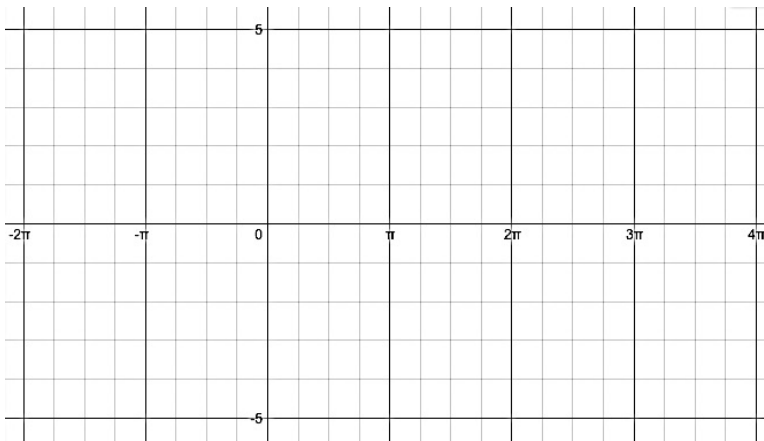
Vertical Shift = _____ Range = _____ Period = _____



9. $y = \sin\left(\frac{1}{2}x\right) - 1$

Horizontal Shift = _____ Amplitude = _____ $b =$ _____

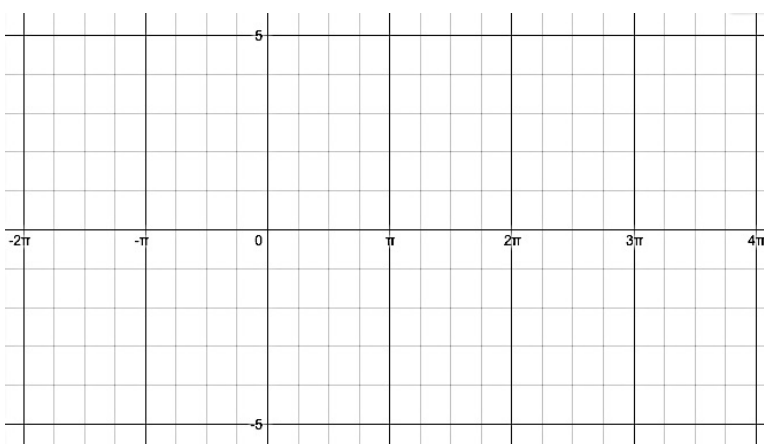
Vertical Shift = _____ Range = _____ Period = _____



10. $y = \cos(x - \pi) - 2$

Horizontal Shift = _____ Amplitude = _____ $b =$ _____

Vertical Shift = _____ Range = _____ Period = _____



11. $y = -2 \cos\frac{1}{4}(x + \pi) - 1$

Horizontal Shift = _____ Amplitude = _____ $b =$ _____

Vertical Shift = _____ Range = _____ Period = _____

