

Quiz Review

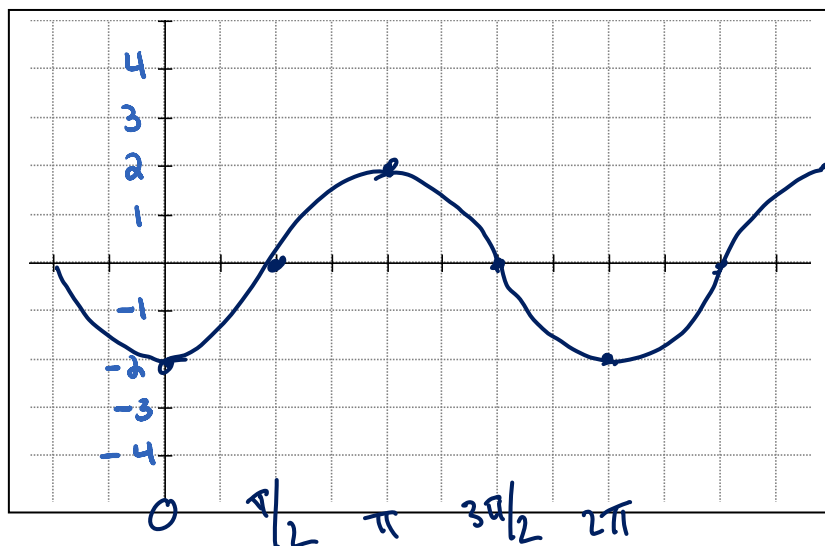
Graphing Trig Functions Quiz Review

Use the given graph to find the key information and write the equation of the function.

1. Equation: $f(x) = -2\cos x$

Vertical shift: none Sinusoidal axis: $y=0$ Reflected? yes

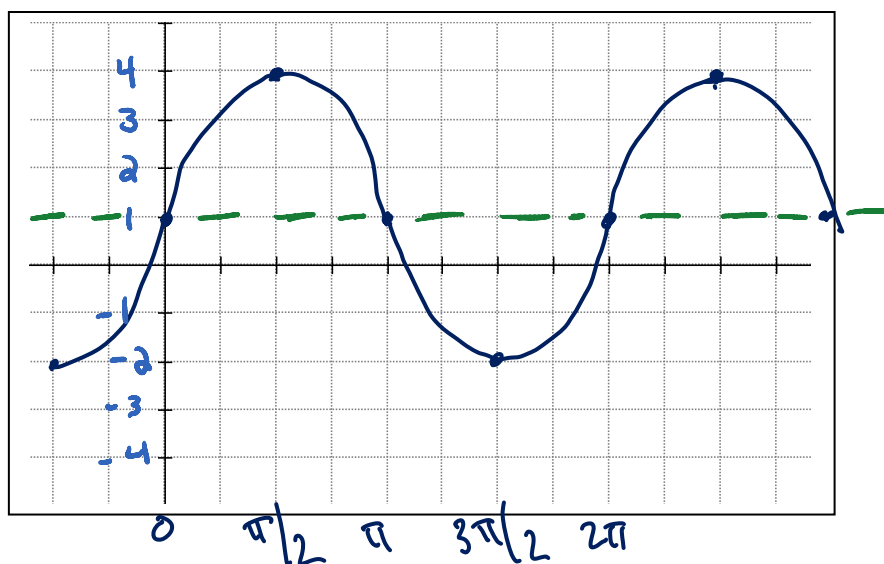
Amplitude: 2 Domain: $(-\infty, \infty)$ Range: $[-2, 2]$



2. Equation: $f(x) = 1 + 3\sin x$

Vertical shift: up 1 Sinusoidal axis: $y=1$ Reflected? no

Amplitude: 3 Domain: $(-\infty, \infty)$ Range: $[-2, 4]$



Find the key information and sketch a graph of the function.

3. $y = 1 + 4\sin x$

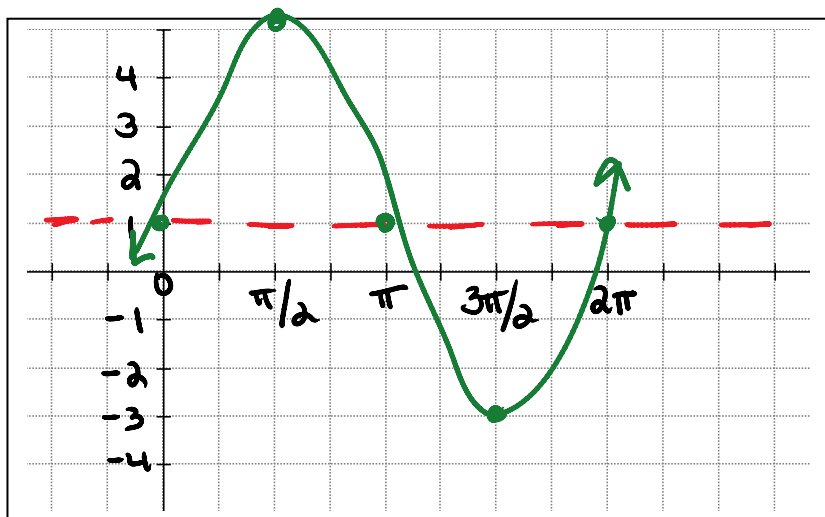
Sinusoidal Axis: $y = 1$

Reflected? no

Amplitude: 4

Domain: $(-\infty, \infty)$

Range: $[-3, 5]$



4. $y = -2 + \cos x$

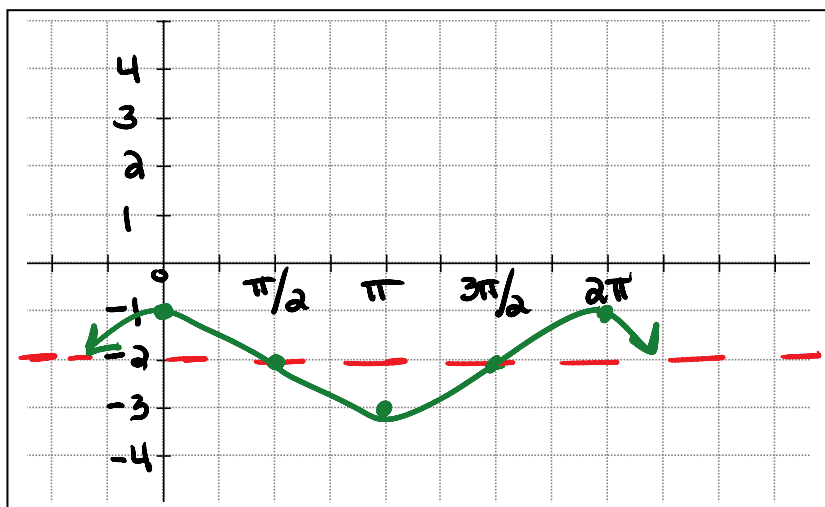
Sinusoidal Axis: $y = -2$

Reflected? no

Amplitude: 1

Domain: $(-\infty, \infty)$

Range: $[-3, -1]$



5. $y = -3\cos x$

Sinusoidal Axis: $y = 0$

Reflected? yes

Amplitude: 3

Domain: $(-\infty, \infty)$

Range: $[-3, 3]$

