

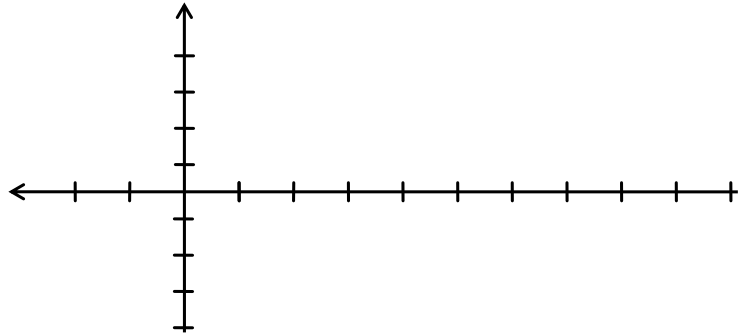
GPS PreCalculus: Unit 4: Graphing Trig Functions
 Quiz Review: Graphing Trig Functions/Writing Equations

Name _____
 Date _____ Day ____

1. $f(x) = 2\sin(3x - 60^\circ) + 2$

Amplitude: _____
 Period: _____
 Vertical Shift: _____
 Horizontal Shift _____
 Start: _____
 End: _____
 Increments: _____

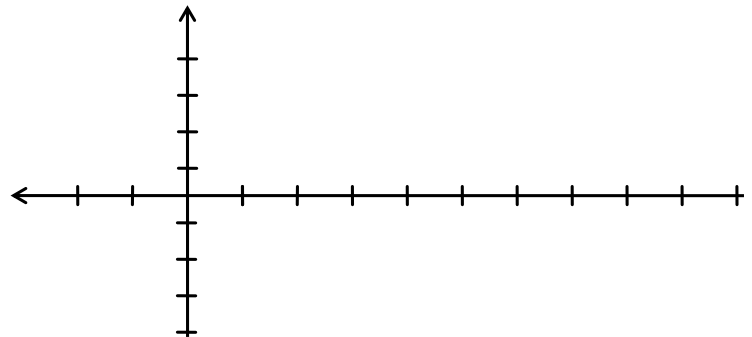
x	$f(x)$



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

Amplitude: _____
 Period: _____
 Vertical Shift: _____
 Horizontal Shift _____
 Start: _____
 End: _____
 Increments: _____

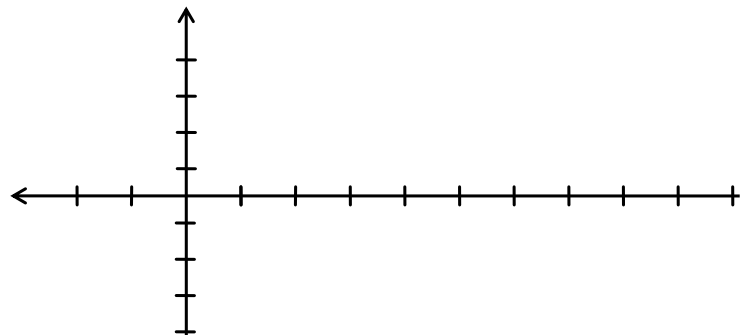
x	$f(x)$



3. $f(x) = -2\sin(x + 60^\circ) + 1$

Amplitude: _____
 Period: _____
 Vertical Shift: _____
 Horizontal Shift _____
 Start: _____
 End: _____
 Increments: _____

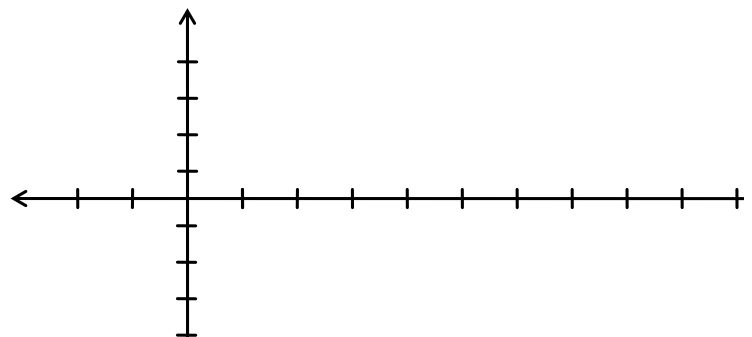
x	$f(x)$



4. $f(x) = 3\cos(2x - \pi) + 1$

Amplitude: _____
 Period: _____
 Vertical Shift: _____
 Horizontal Shift _____
 Start: _____
 End: _____
 Increments: _____

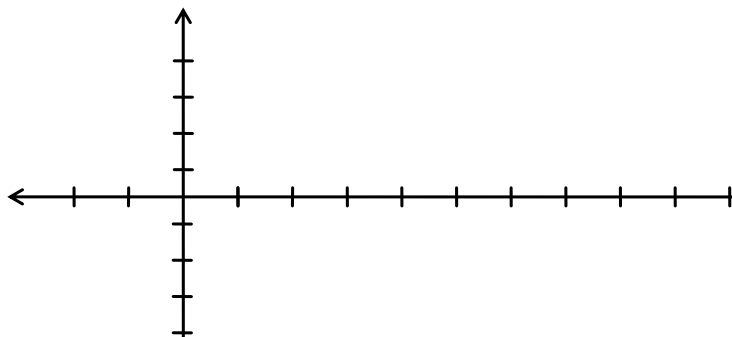
x	$f(x)$



5. $f(x) = -2\cos(3x - 90^\circ) - 2$

Amplitude: _____
 Period: _____
 Vertical Shift: _____
 Horizontal Shift _____
 Start: _____
 End: _____
 Increments: _____

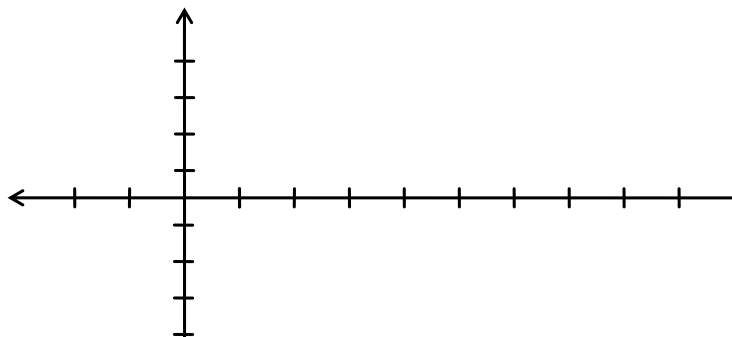
x	$f(x)$



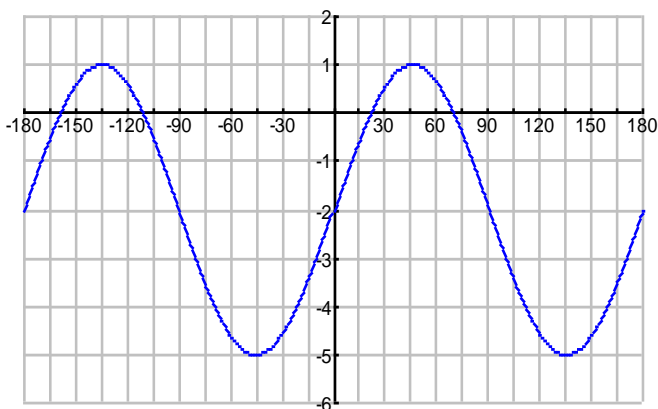
6. $f(x) = 3\sin(x + \pi) + 1$

Amplitude: _____
 Period: _____
 Vertical Shift: _____
 Horizontal Shift _____
 Start: _____
 End: _____
 Increments: _____

x	$f(x)$



7. Write a negative (-) cosine equation, a positive (+) cosine equation, a negative (-) sine equation, and a positive (+) sine equation for the following trig graph



(-) $\cos x =$ _____
 (+) $\cos x =$ _____
 (-) $\sin x =$ _____
 (-) $\sin x =$ _____