GSE PreCalculus - Graphing Trig
WS. 4.2 - Graphing Sine/Cosine

Name_____
Date_____Period_____

Graph each function

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

Amplitude:_____

Period:_____

Vertical Shift:_____

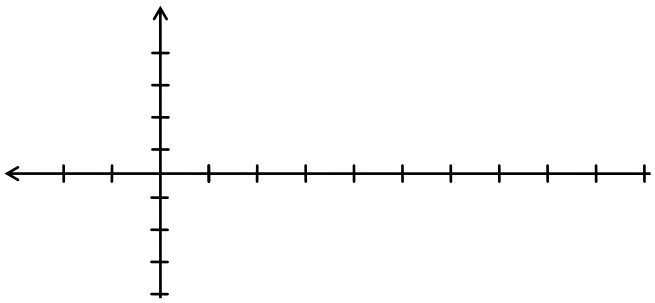
Phase Shift_____

Start:_____

End:_____

Increments:____

x	$f(x)$



2. $f(x) = 3\sin(2x + \frac{5\pi}{4})$

Amplitude:_____

Period:_____

Vertical Shift:_____

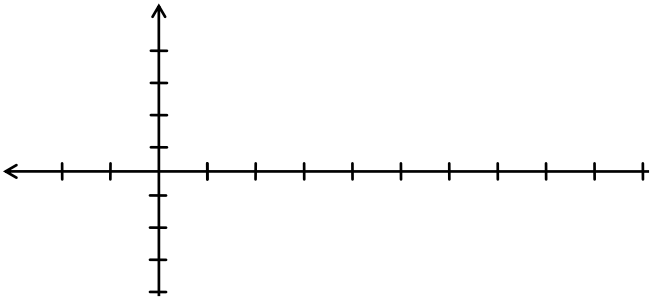
Horizontal Shift_____

Start:_____

End:_____

Increments:____

x	$f(x)$



3. $f(x) = 3\cos(x - \pi)$

Amplitude:_____

Period:_____

Vertical Shift:_____

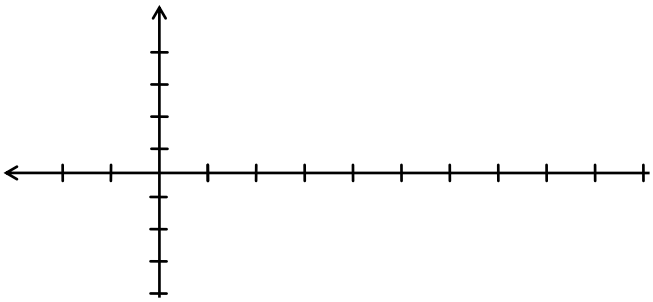
Horizontal Shift_____

Start:_____

End:_____

Increments:____

x	$f(x)$



4. $f(x) = -2\sin(2x - \pi) - 1$

Amplitude:_____

Period:_____

Vertical Shift:_____

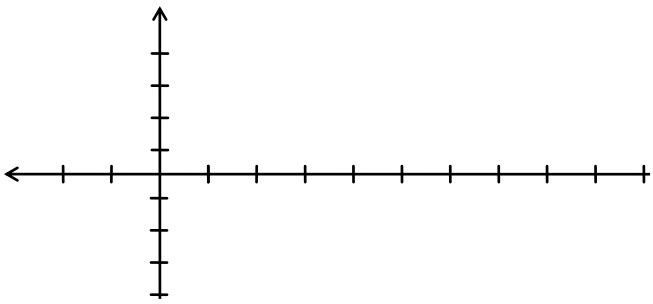
Phase Shift_____

Start:_____

End:_____

Increments:____

x	$f(x)$



GSE PreCalculus - Graphing Trig
WS. 4.2 - Graphing Sine/Cosine

Name_____
Date_____Period_____

Graph each:

1. $f(x) = 4\sin(2x)$

Amplitude:_____

Period:_____

Vertical Shift:_____

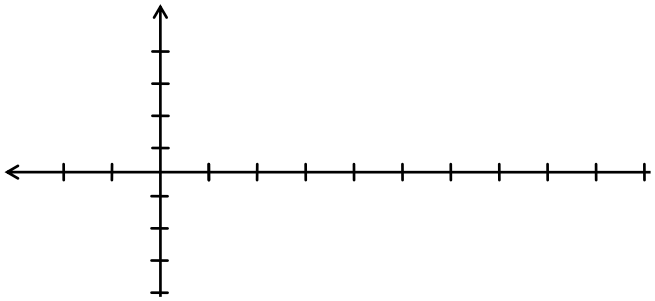
Phase Shift_____

Start:_____

End:_____

Increments:____

x	$f(x)$



2. $f(x) = 5\cos(x + \frac{\pi}{6})$

Amplitude:_____

Period:_____

Vertical Shift:_____

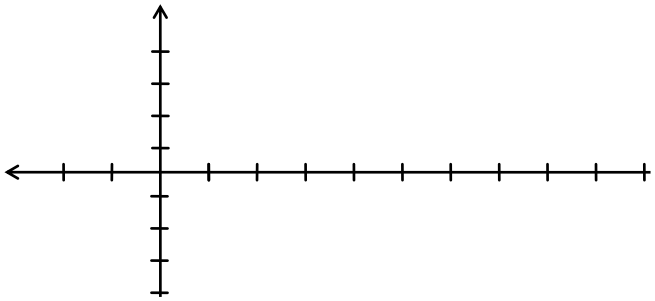
Horizontal Shift_____

Start:_____

End:_____

Increments:____

x	$f(x)$



3. $f(x) = \frac{1}{2}\cos(x + \frac{\pi}{3}) - 2$

Amplitude:_____

Period:_____

Vertical Shift:_____

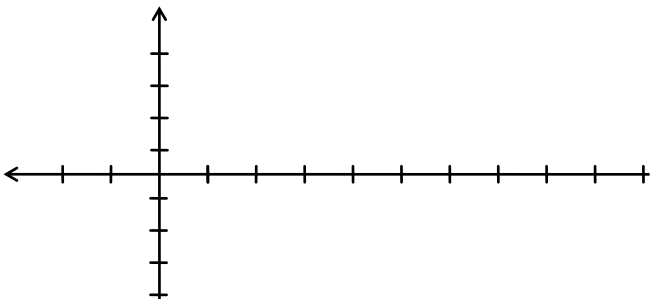
Phase Shift_____

Start:_____

End:_____

Increments:____

x	$f(x)$



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

Amplitude:_____

Period:_____

Vertical Shift:_____

Horizontal Shift_____

Start:_____

End:_____

Increments:____

x	$f(x)$