

Graph each function

1. $f(x) = 3\sin(2x - 180^\circ) - 2$

Amplitude: _____

Period: _____

Vertical Shift: _____

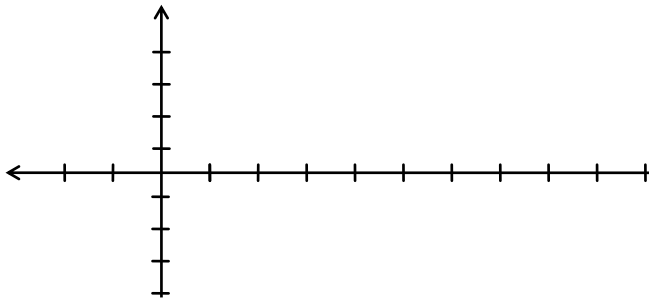
Horizontal Shift _____

Start: _____

End: _____

Increments: _____

x	$f(x)$



2. $f(x) = -3\cos(x + 45^\circ) + 1$

Amplitude: _____

Period: _____

Vertical Shift: _____

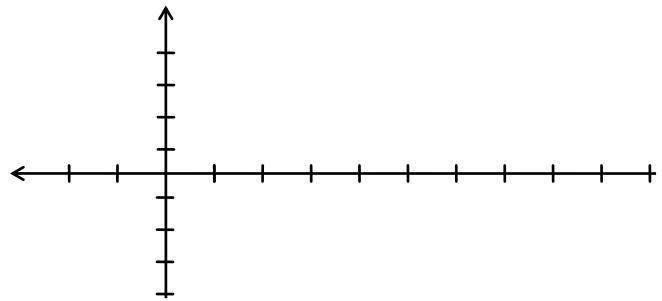
Phase Shift _____

Start: _____

End: _____

Increments: _____

x	$f(x)$



3. $f(x) = 2\cos(x - 90^\circ) + 1$

Amplitude: _____

Period: _____

Vertical Shift: _____

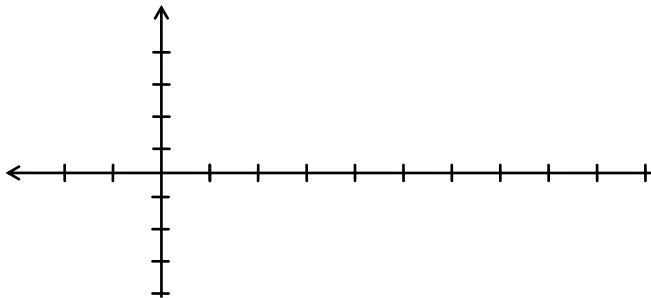
Phase Shift _____

Start: _____

End: _____

Increments: _____

x	$f(x)$



4. $f(x) = 3\sin(2x + 225^\circ)$

Amplitude: _____

Period: _____

Vertical Shift: _____

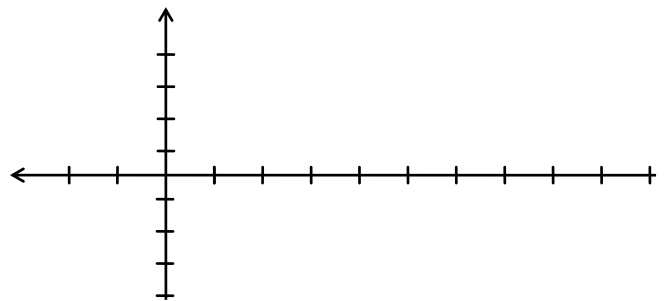
Horizontal Shift _____

Start: _____

End: _____

Increments: _____

x	$f(x)$



Graph each:

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

Amplitude: _____

Period: _____

Vertical Shift: _____

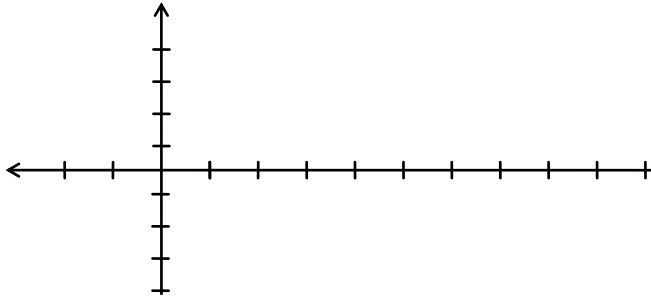
Phase Shift _____

Start: _____

End: _____

Increments: _____

x	$f(x)$



2. $f(x) = -\cos(x + 135^\circ) + 2$

Amplitude: _____

Period: _____

Vertical Shift: _____

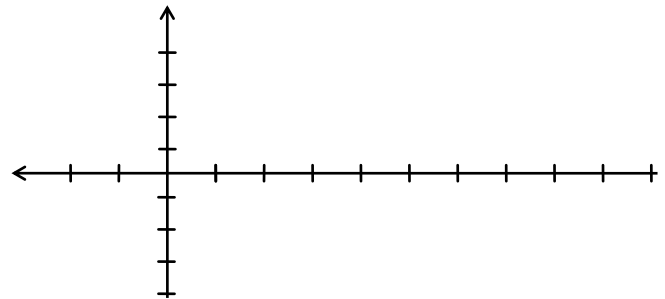
Horizontal Shift _____

Start: _____

End: _____

Increments: _____

x	$f(x)$



3. $f(x) = -2\sin(2x - 180^\circ) - 1$

Amplitude: _____

Period: _____

Vertical Shift: _____

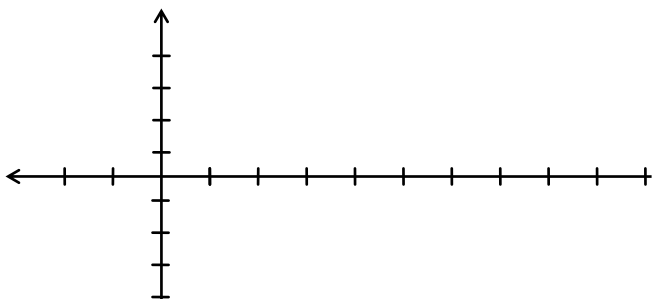
Phase Shift _____

Start: _____

End: _____

Increments: _____

x	$f(x)$



4. $f(x) = 3\cos(x - 180^\circ)$

Amplitude: _____

Period: _____

Vertical Shift: _____

Horizontal Shift _____

Start: _____

End: _____

Increments: _____

x	$f(x)$

