

ALG III 5/8/18
Amplitude and Vertical Shift

Name: _____

Warm Up: Sketch.

$$f(\theta) = \sin \theta$$

Amplitude: _____

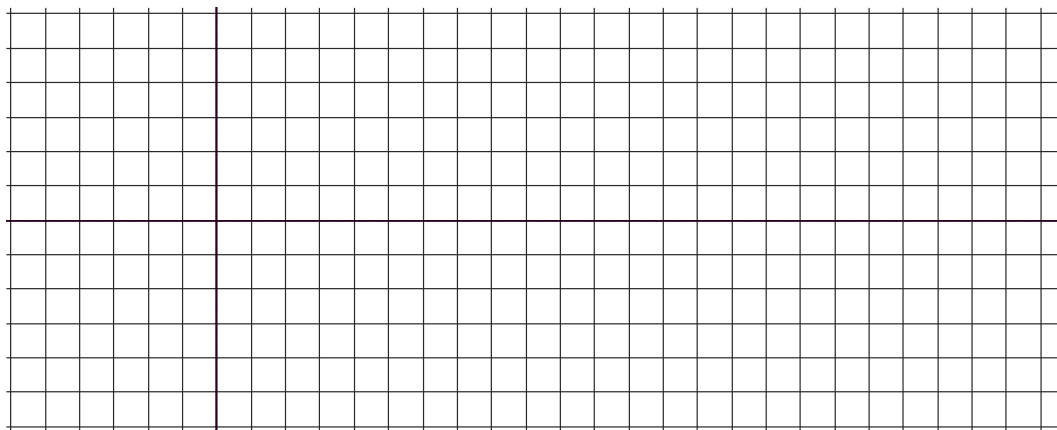
Period: _____

Vert. Shift: _____

Increment: _____

Horizontal Shift: _____

Key Values: _____



$$f(\theta) = \cos \theta$$

Amplitude: _____

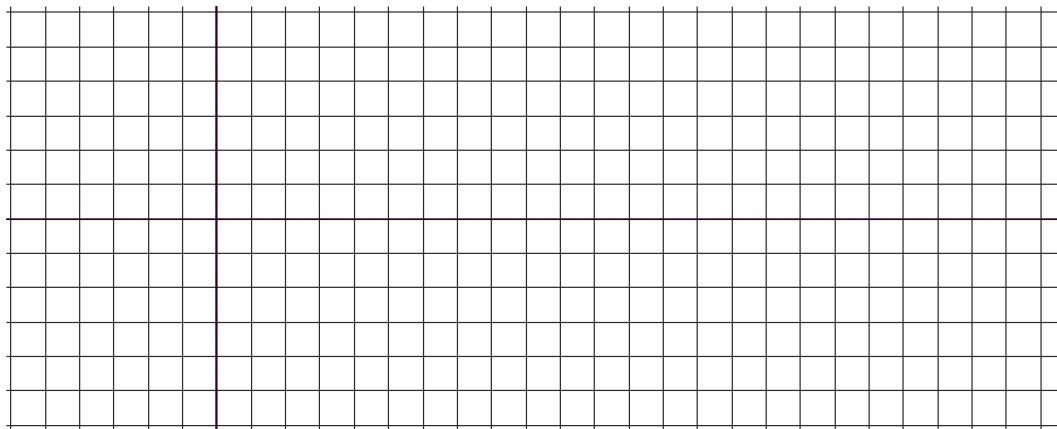
Period: _____

Vert. Shift: _____

Increment: _____

Horizontal Shift: _____

Key Values: _____

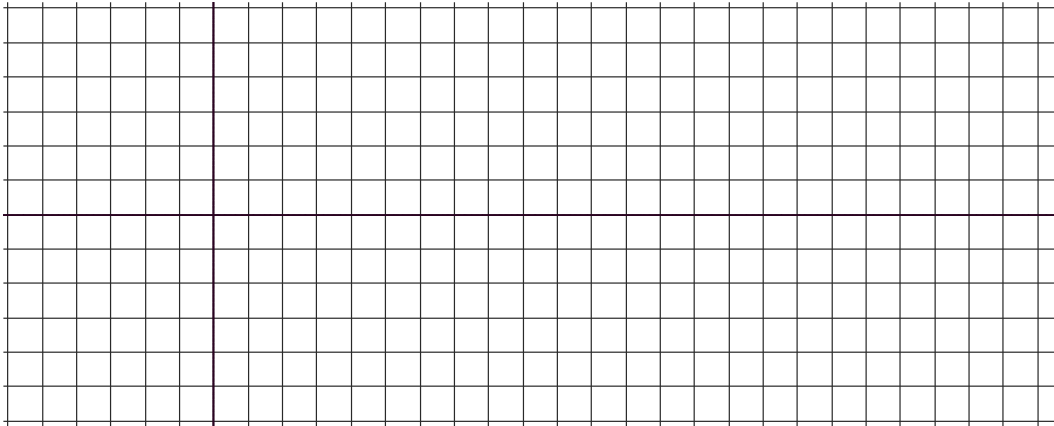


Example #1: Graph $f(\theta) = 4\cos\theta$

Amplitude: _____ Period: _____

Vert. Shift: _____ Increment: _____

Horizontal Shift: _____ Key Values: _____

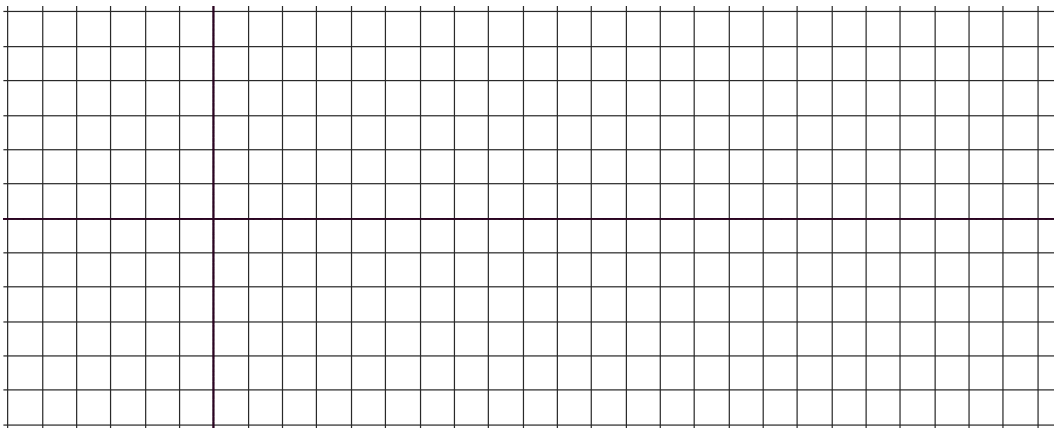


Example #2: Graph $f(\theta) = \sin\theta + 3$

Amplitude: _____ Period: _____

Vert. Shift: _____ Increment: _____

Horizontal Shift: _____ Key Values: _____

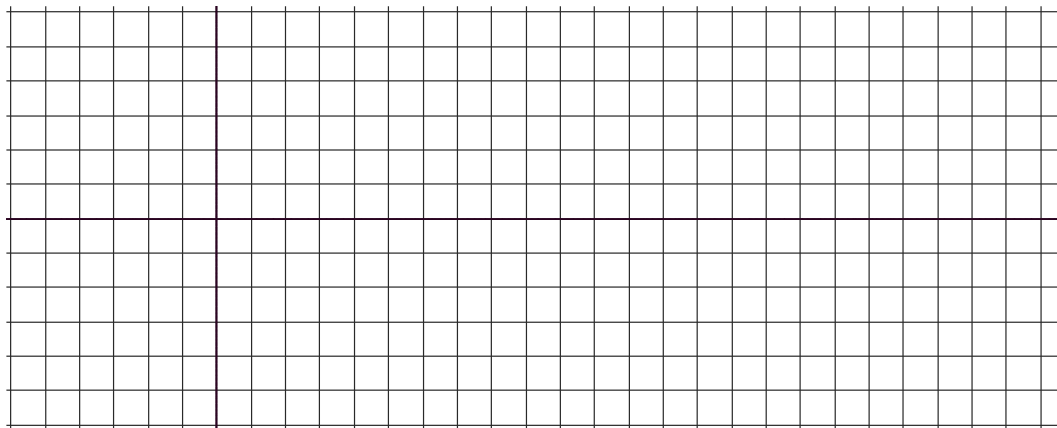


Example #3: Graph $f(\theta) = -2\sin\theta$

Amplitude: _____ Period: _____

Vert. Shift: _____ Increment: _____

Horizontal Shift: _____ Key Values: _____

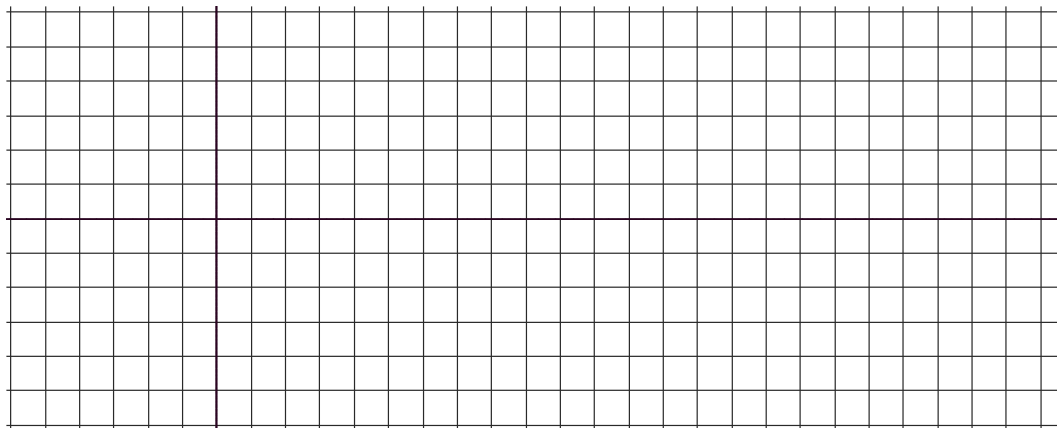


Example #4: Graph $f(\theta) = -3\cos\theta - 2$

Amplitude: _____ Period: _____

Vert. Shift: _____ Increment: _____

Horizontal Shift: _____ Key Values: _____



Assignment:

1. Graph $f(\theta) = 3\sin\theta - 2$

Amplitude: _____

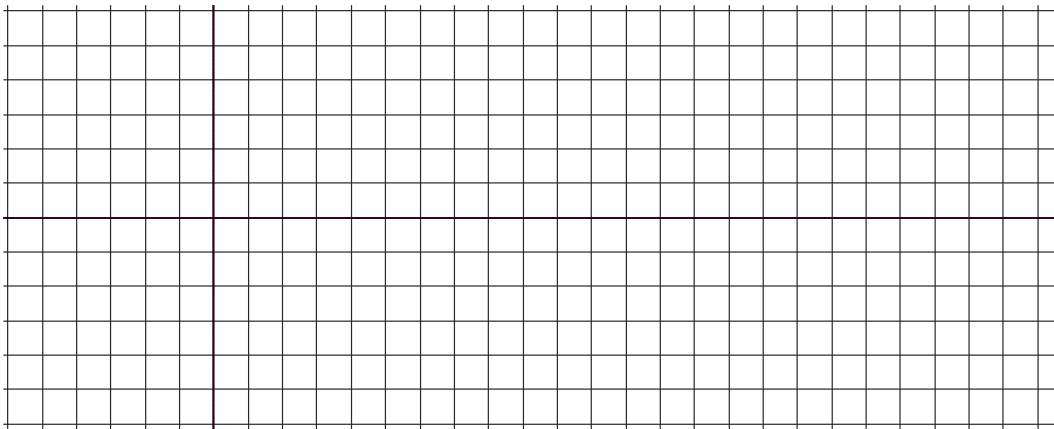
Period: _____

Vert. Shift: _____

Increment: _____

Horizontal Shift: _____

Key Values: _____



2. Graph $f(\theta) = -4\cos\theta + 1$

Amplitude: _____

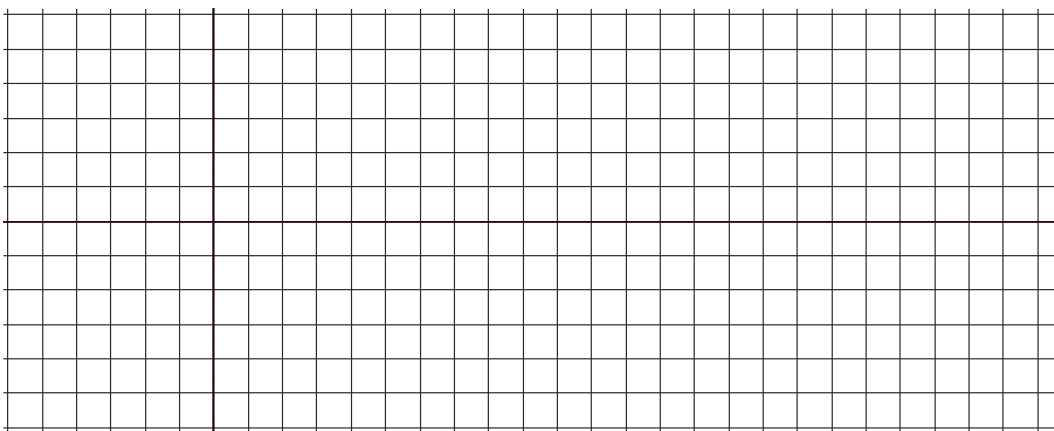
Period: _____

Vert. Shift: _____

Increment: _____

Horizontal Shift: _____

Key Values: _____



3. $f(\theta) = 2\cos\theta - 3$

Amplitude: _____

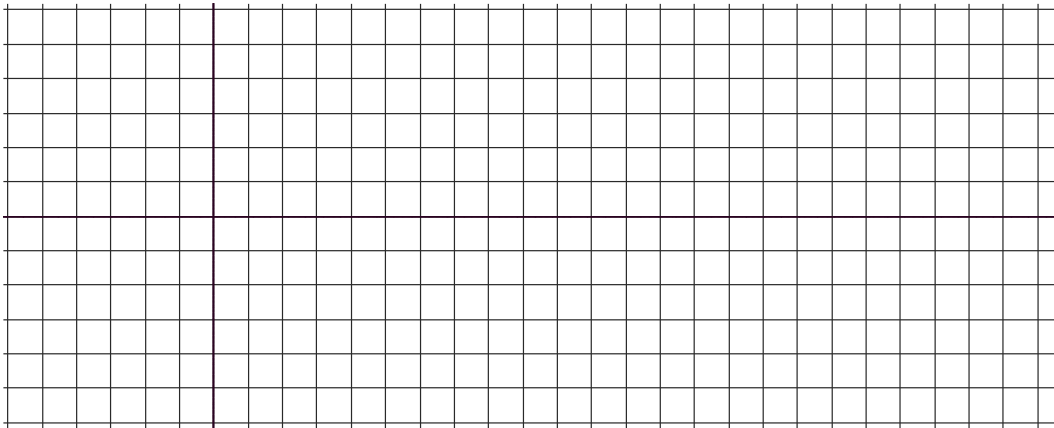
Period: _____

Vert. Shift: _____

Increment: _____

Horizontal Shift: _____

Key Values: _____



4. $f(\theta) = -\sin\theta + 2$

Amplitude: _____

Period: _____

Vert. Shift: _____

Increment: _____

Horizontal Shift: _____

Key Values: _____

