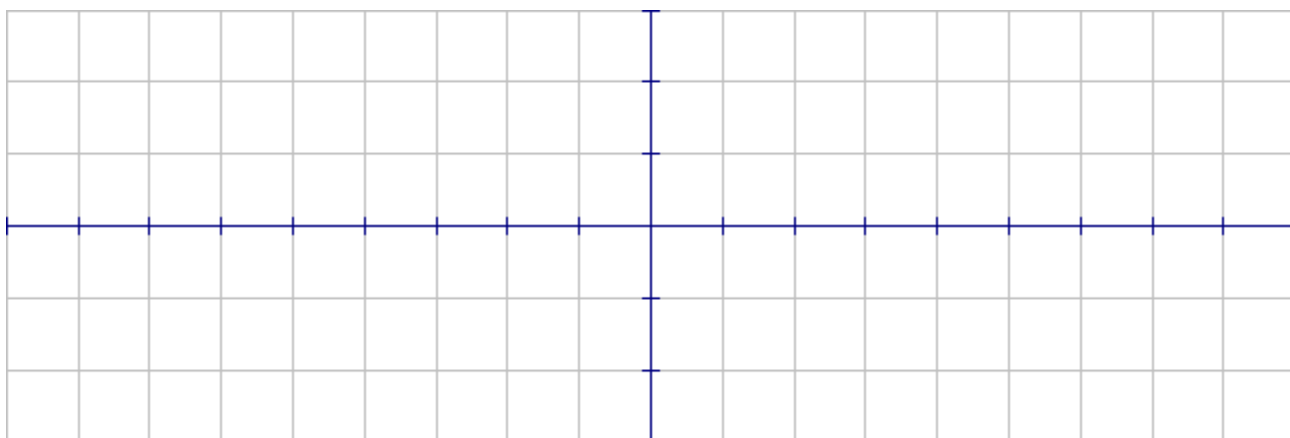


Use the Unit Circle to complete both tables. Then sketch each graph

θ	-2π	$-\frac{3\pi}{2}$	$-\pi$	$-\frac{\pi}{2}$	0	$\frac{\pi}{2}$	π	$\frac{3\pi}{2}$	2π
$\sin\theta$									
$\csc\theta$									

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

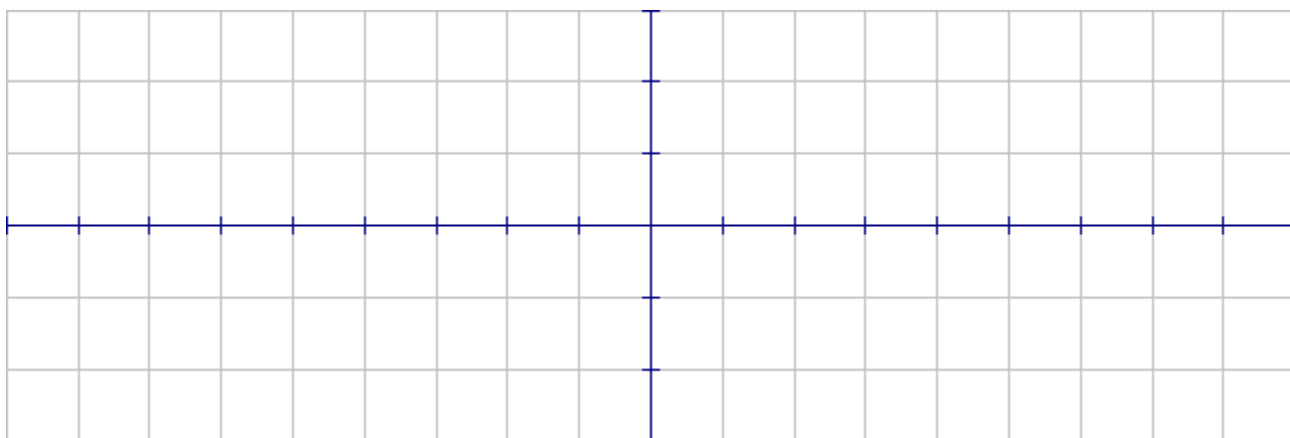
$g(\theta) = \csc\theta$ (solid line)



θ	-2π	$-\frac{3\pi}{2}$	$-\pi$	$-\frac{\pi}{2}$	0	$\frac{\pi}{2}$	π	$\frac{3\pi}{2}$	2π
$\cos\theta$									
$\sec\theta$									

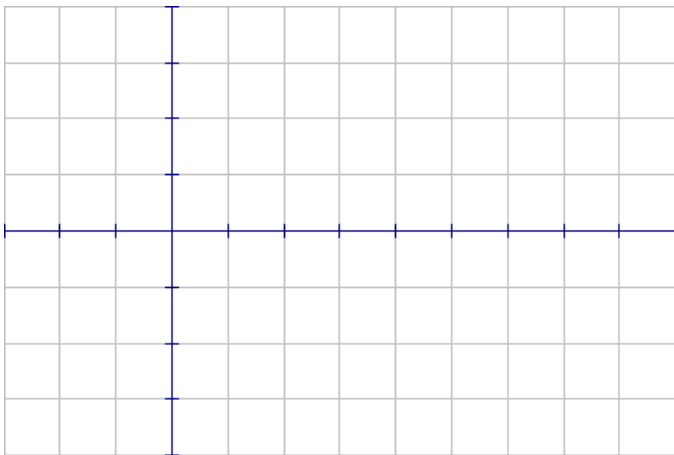
$f(\theta) = \cos\theta$ (dotted line)

$g(\theta) = \sec\theta$ (solid line)



Directions: Graph one period of each of the given trig functions.

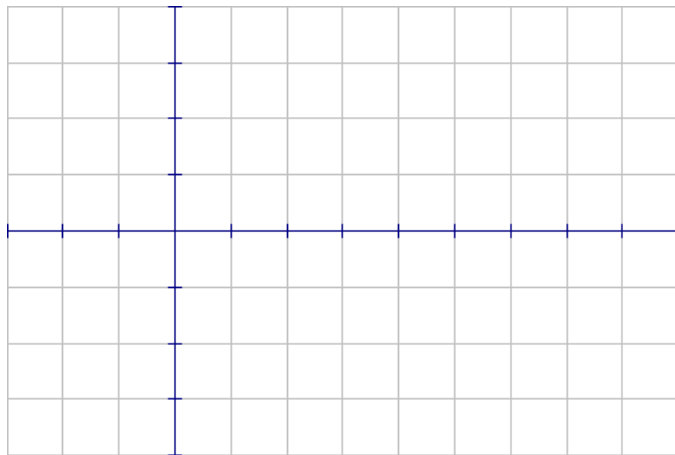
1. $y = 2 \csc \frac{1}{2} \theta$

**DEGREES**

AMP: _____ Phase Shift: _____

PER: _____ Vert. Shift: _____

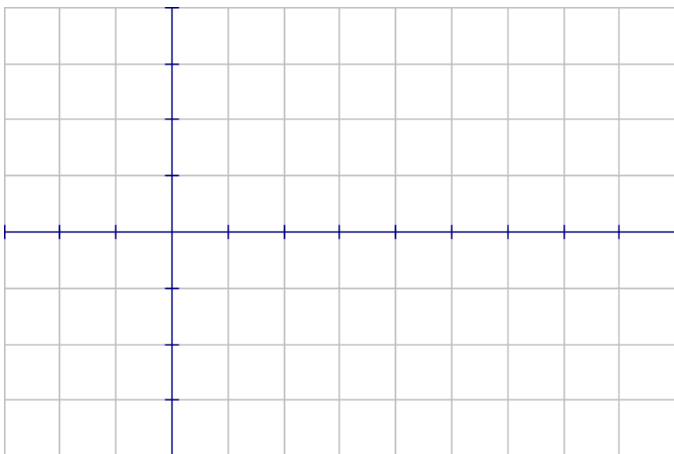
2. $y = 3 \sec 2\theta$

**RADIANS**

AMP: _____ Phase Shift: _____

PER: _____ Vert. Shift: _____

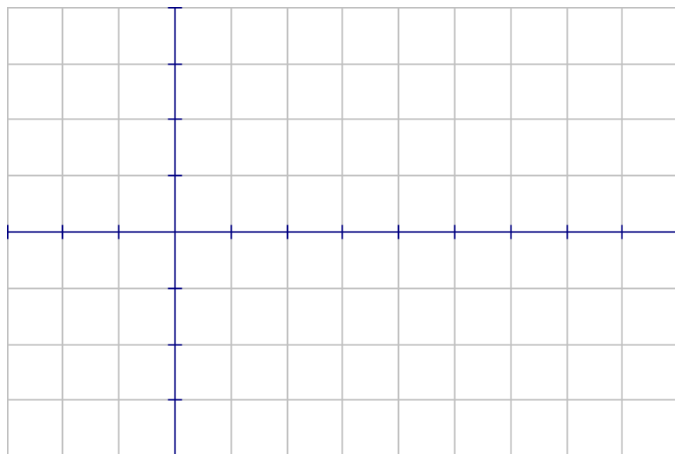
3. $y = 2 \csc 6(\theta - 30)$

**DEGREES**

AMP: _____ Phase Shift: _____

PER: _____ Vert. Shift: _____

4. $y = \sec(2\theta) + 1$

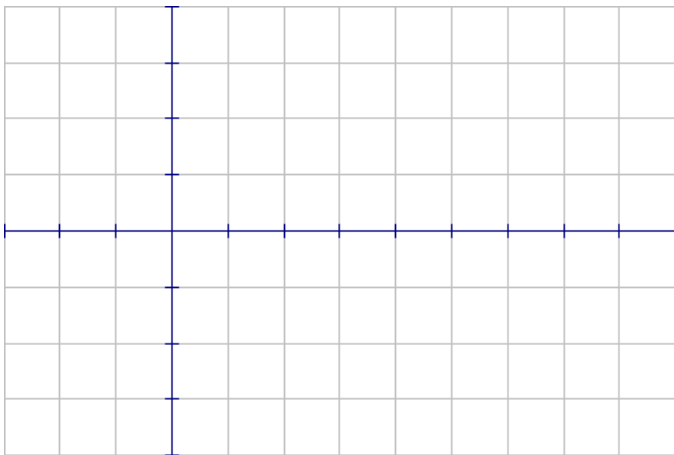
**RADIANS**

AMP: _____ Phase Shift: _____

PER: _____ Vert. Shift: _____

Directions: Graph one period of each of the given trig functions.

5. $y = 2 \csc(2\theta + \pi) + 2$

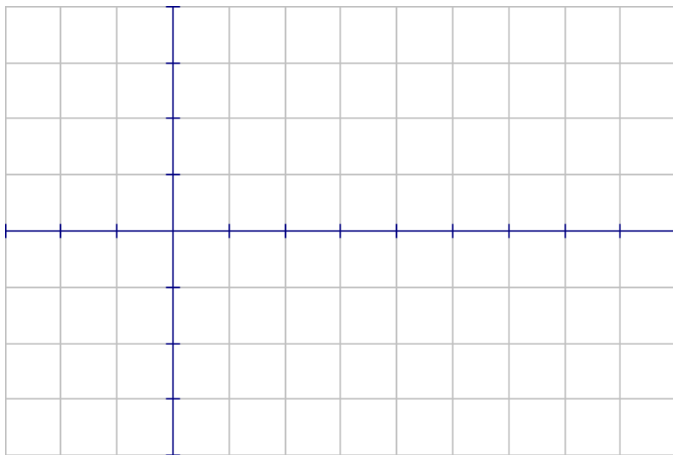


RADIANS

AMP: _____ Phase Shift: _____

PER: _____ Vert. Shift: _____

6. $y = \frac{1}{2} \sec(6\theta + 360^\circ)$

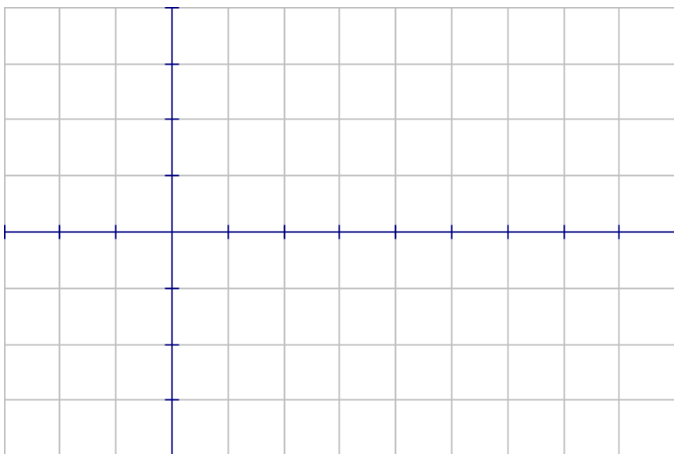


DEGREES

AMP: _____ Phase Shift: _____

PER: _____ Vert. Shift: _____

7. $y = \frac{1}{2} \sec 2\left(\theta - \frac{\pi}{4}\right)$

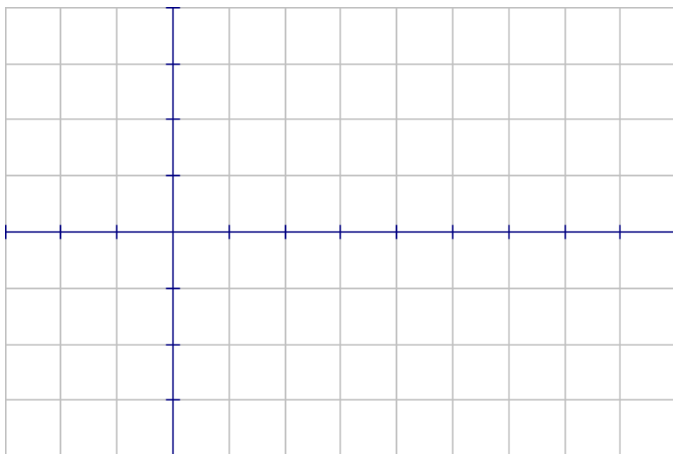


RADIANS

AMP: _____ Phase Shift: _____

PER: _____ Vert. Shift: _____

8. $y = \csc(2\theta - \pi) - 1$



RADIANS

AMP: _____ Phase Shift: _____

PER: _____ Vert. Shift: _____

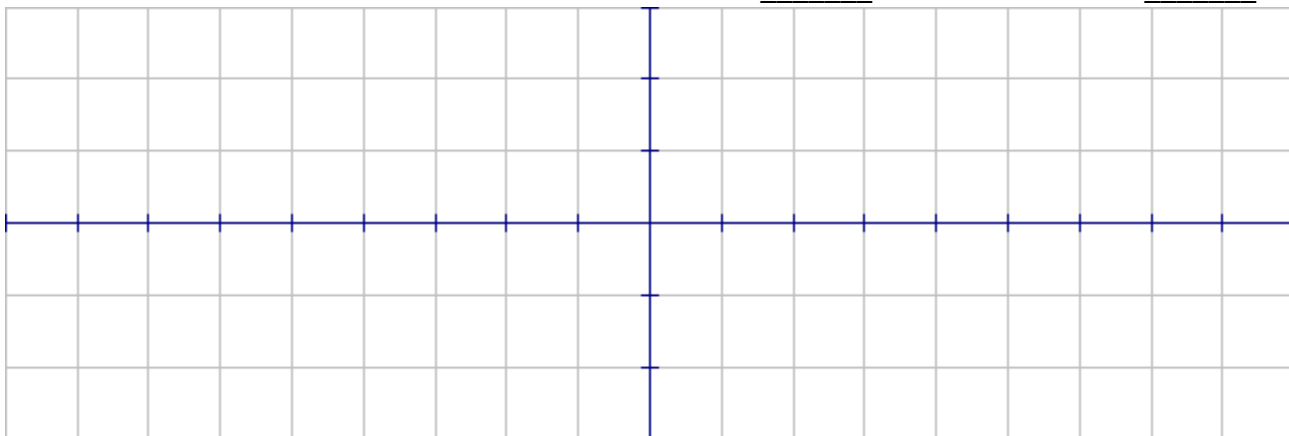
1.) $y = \sec \frac{1}{2} \theta$

AMP: _____

Phase Shift: _____

PER: _____

Vert. Shift: _____



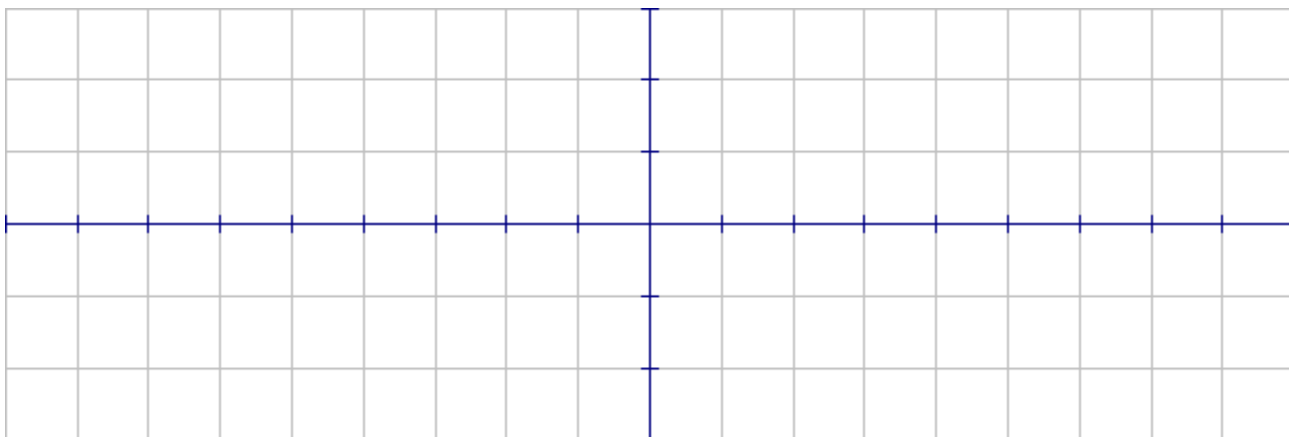
2.) $y = 2 \csc \left(4\theta - \frac{\pi}{2} \right)$

AMP: _____

Phase Shift: _____

PER: _____

Vert. Shift: _____



3.) $y = \frac{1}{2} \sec \left(6\theta + \frac{\pi}{3} \right) - \frac{3}{2}$

AMP: _____

Phase Shift: _____

PER: _____

Vert. Shift: _____

