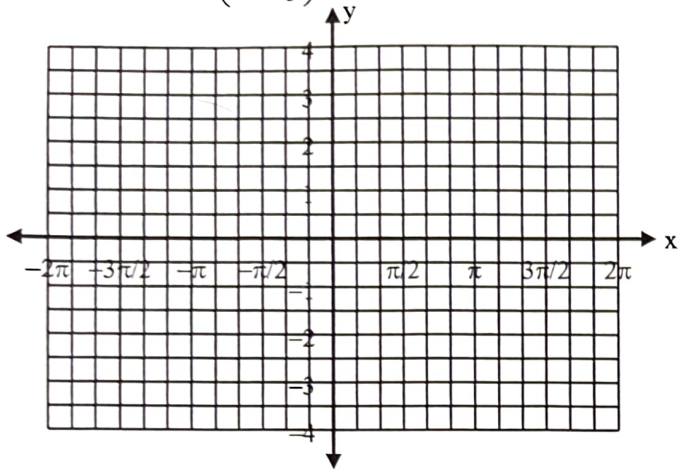
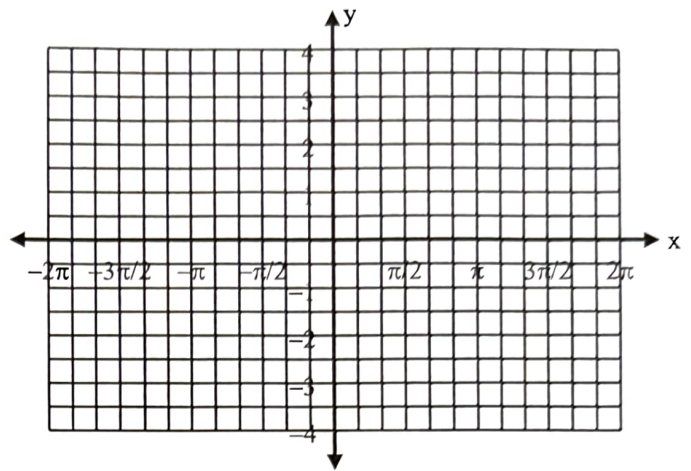


13)  $y = 3 \sin 2\left(\theta - \frac{\pi}{6}\right) - \frac{1}{2}$



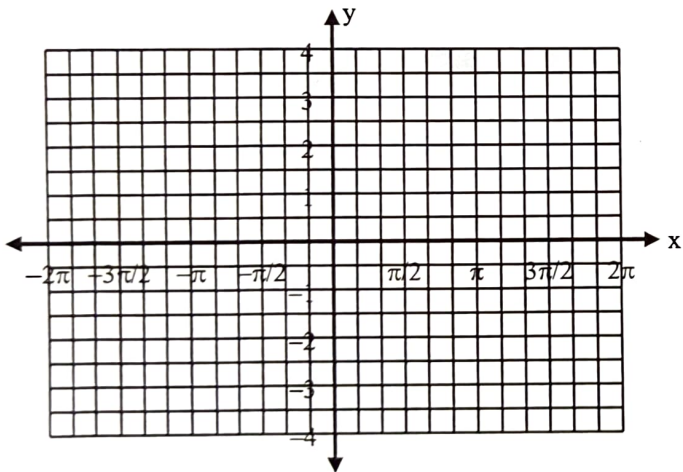
Domain: \_\_\_\_\_ Range: \_\_\_\_\_  
 Amplitude: \_\_\_\_\_ Period: \_\_\_\_\_  
 Phase shift: \_\_\_\_\_ Vertical slide: \_\_\_\_\_

14)  $y = -\cos(\theta - \pi) + 1$



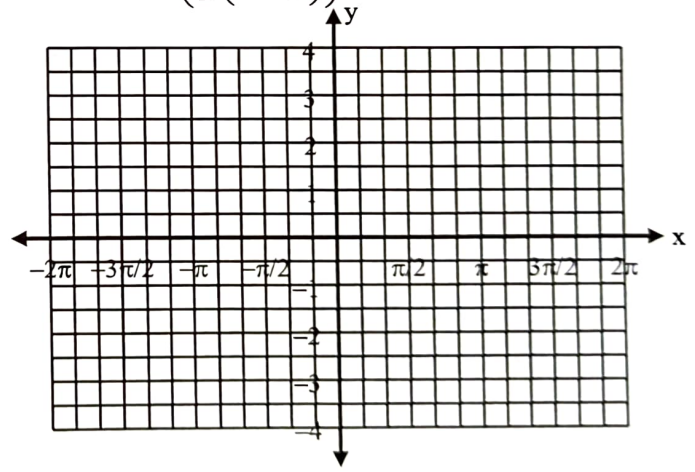
Domain: \_\_\_\_\_ Range: \_\_\_\_\_  
 Amplitude: \_\_\_\_\_ Period: \_\_\_\_\_  
 Phase shift: \_\_\_\_\_ Vertical slide: \_\_\_\_\_

15)  $y = -2 \sin \theta - 1$



Domain: \_\_\_\_\_ Range: \_\_\_\_\_  
 Amplitude: \_\_\_\_\_ Period: \_\_\_\_\_  
 Phase shift: \_\_\_\_\_ Vertical slide: \_\_\_\_\_

16)  $y = -\cos\left(\frac{1}{2}\left(\theta - \frac{\pi}{2}\right)\right) - 2$



Domain: \_\_\_\_\_ Range: \_\_\_\_\_  
 Amplitude: \_\_\_\_\_ Period: \_\_\_\_\_  
 Phase shift: \_\_\_\_\_ Vertical slide: \_\_\_\_\_

Graph 1 period of the function. Label all asymptotes

1.  $y = 3 \csc\left(\frac{\pi}{2}x\right)$

2.  $y = 2 \sec\left(\frac{x}{3}\right)$

5.  $y = 2 \csc(5x - \pi) + 1$

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

Graph 1 period of the function. Label all asymptotes

$$1. y = 2 \cot\left(\frac{\pi}{3}x\right)$$

$$2. y = 3 \tan\left(\frac{x}{5}\right)$$

$$3. y = -2 \cot(2x - \pi) + 1$$

$$4. y = -3 \tan\left(\pi x - \frac{\pi}{3}\right) - 1$$