

## Practice 7.7C

Date \_\_\_\_\_ Period \_\_\_\_\_

**Find the amplitude, the period in radians, and the vertical shift.**

1)  $y = 8\cos 2\theta - 5$

2)  $y = 6\tan \frac{\theta}{6} - 1$

3)  $y = 4\tan 6\theta + 5$

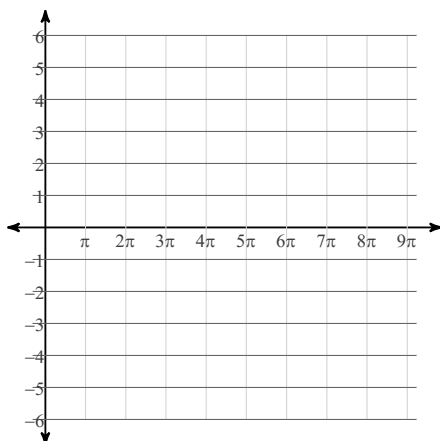
4)  $y = 4 + \frac{1}{10} \cdot \sin 3\theta$

5)  $y = \cos \frac{\theta}{6} - 1$

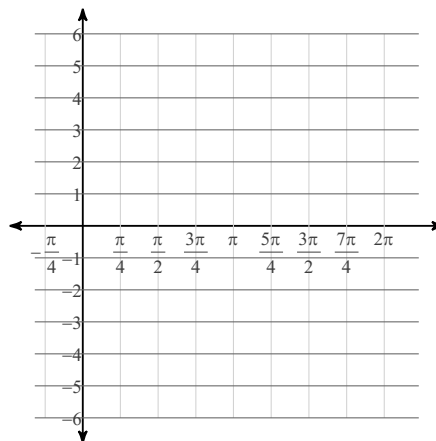
6)  $y = 9\cos 2\theta + 1$

**Graph each function using radians.**

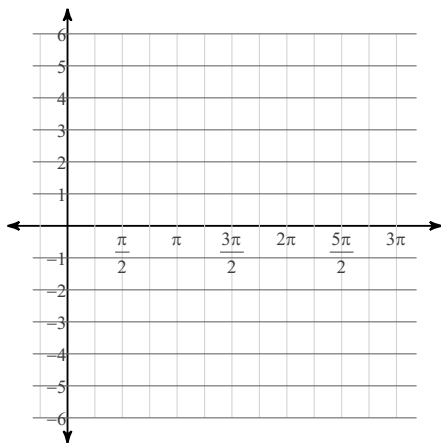
7)  $y = \frac{1}{2} \cdot \cos \frac{\theta}{3} - 2$



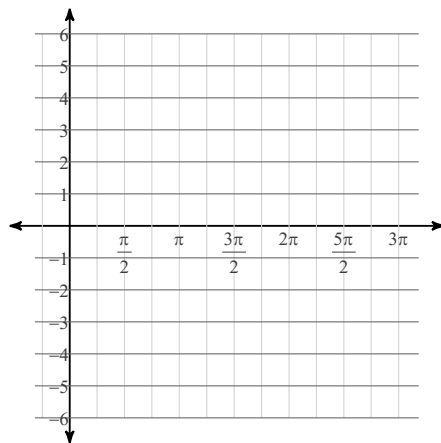
8)  $y = -2 + 2\sin 3\theta$



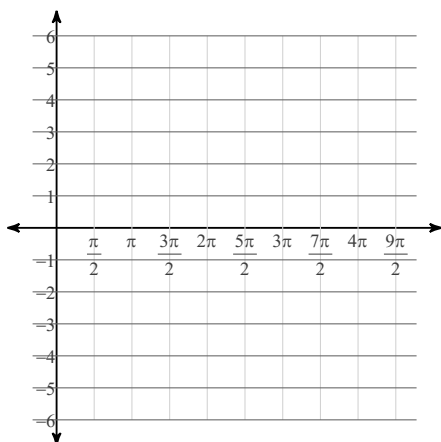
9)  $y = 2\sin \theta$



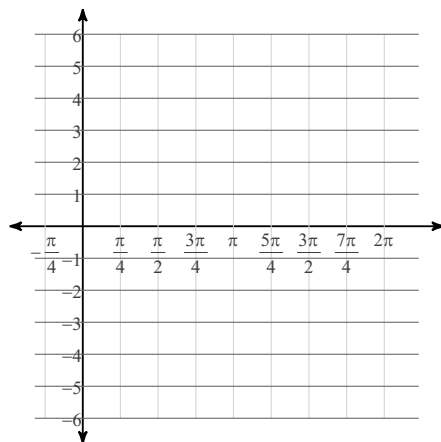
10)  $y = 2\cos \theta$



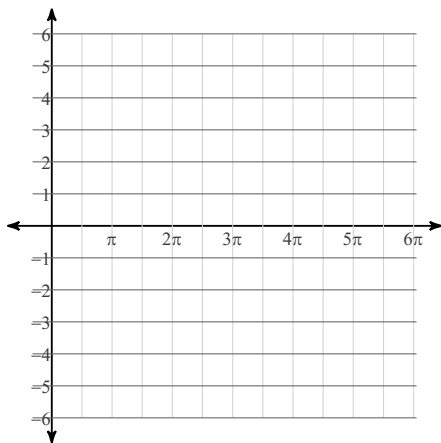
11)  $y = 3\tan \frac{\theta}{3} - 1$



12)  $y = 2\tan 2\theta + 1$



13)  $y = 3\csc \frac{\theta}{2} - 2$



14)  $y = 3\sec \frac{\theta}{3} - 1$

