Math-3A Name_____ ID: 1

SM3-A HW#10-7 (graph sine and cosine)

Date_____ Period____

Using degrees, find the centerline, amplitude, period, and phase shift (left/right) of each function.

1) $y = 7\sin 8\theta$

2) $y = 3\sin 6\theta$

3) $y = 10\sin \frac{\theta}{5}$

4) $y = 3\sin \frac{\theta}{8}$

5) $y = \frac{1}{9} \cdot \sin(\theta - 135)$

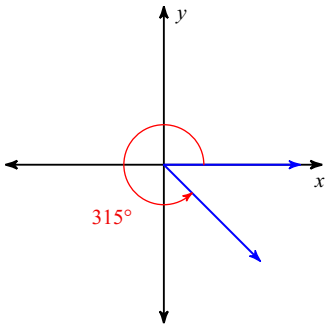
6) $y = \frac{1}{6} \cdot \sin \theta$

7) $y = 6\sin(\theta + 45)$

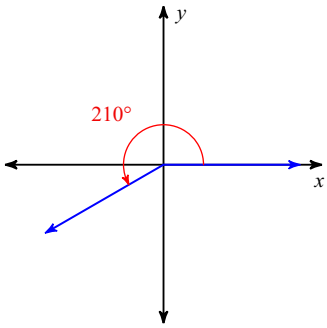
8) $y = 6\sin(\theta + 135)$

Find the exact value of each trigonometric function.

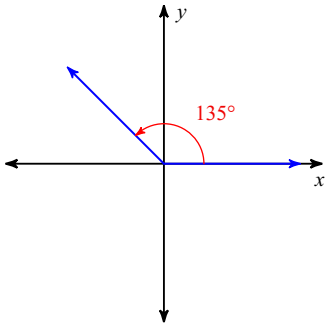
9) $\sec \theta$



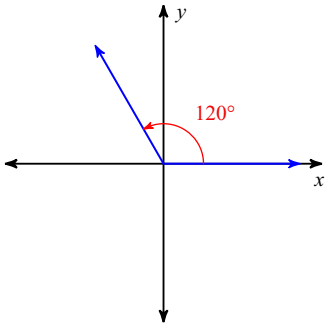
10) $\tan \theta$



11) $\tan \theta$

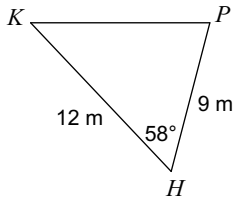


12) $\cot \theta$



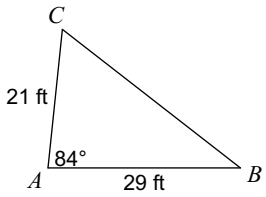
Find the area of each triangle to the nearest tenth.

13)



Find each measurement indicated. Round your answers to the nearest tenth.

14) Find BC



Convert each degree measure into radians.

15) 150°

Convert each radian measure into degrees.

16) $-\frac{7\pi}{4}$

Find the measure of each angle indicated. Round to the nearest tenth.

17)