

Unit Circle Worksheet A

Name _____

Period _____

Solve the following problems using your Unit Circle.

1) $\sin(90^\circ)$

2) $\cos \frac{\pi}{4}$

3) $\sin \frac{5\pi}{4}$

4) $\cos 135^\circ$

5) $\tan \frac{5\pi}{4}$

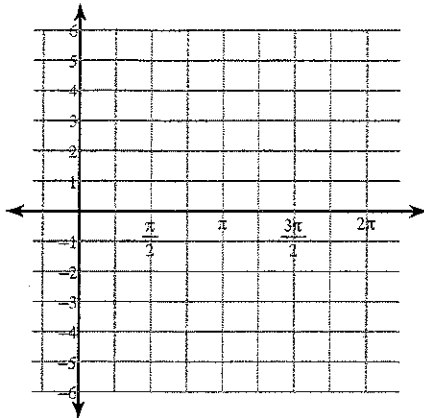
6) $\tan(180^\circ)$

7) $\sin \frac{\pi}{4}$

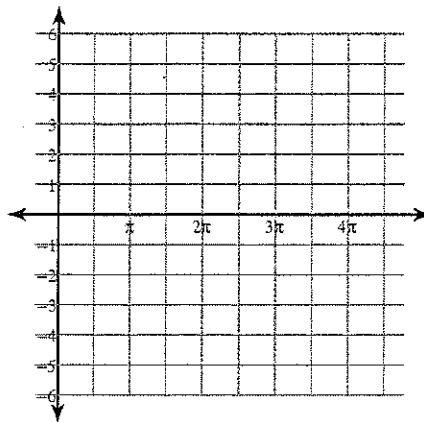
8) $\cos 90^\circ$

Using radians, find the amplitude and period of each function. Then graph.

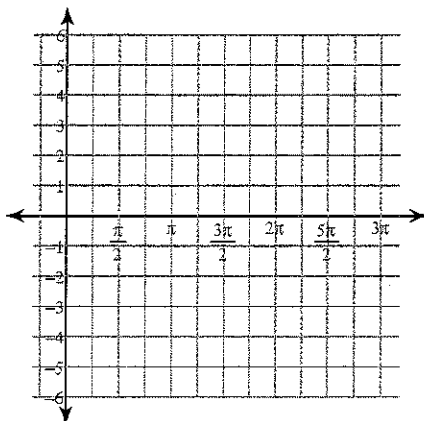
7) $y = \sin 3\theta$



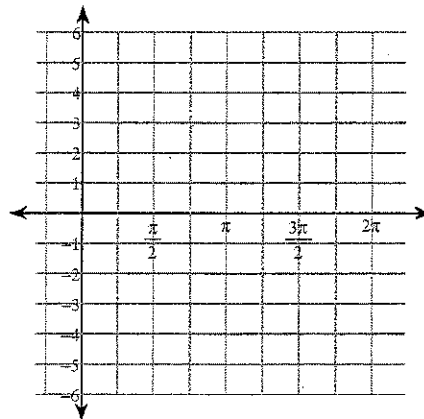
8) $y = \frac{1}{2} \tan \frac{\theta}{3}$



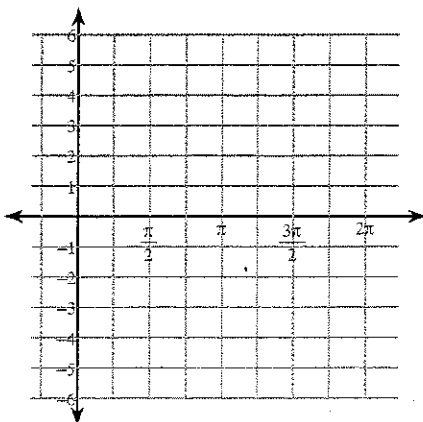
9) $y = \frac{1}{2} \sec \theta$



10) $y = 2 \cos 4\theta$



11) $y = 2 \csc 2\theta$



12) $y = 2 \cot 2\theta$

