Pre-Calculus AB

Name_____

Worksheet 19 - Lesson 57

Date_____ Period_____

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

1) $y = 3\sin\left(\theta + \dfrac{3\pi}{4}\right)$

2) $y = 2\sin\left(\theta - \dfrac{7\pi}{6}\right)$

3) $y = 2\cos\left(\theta + \dfrac{\pi}{3}\right)$

4) $y = 4\cos\left(\theta + \dfrac{\pi}{6}\right)$

5) $y = 2\cos 2\theta$

6) $y = \dfrac{1}{2} \cdot \cos \dfrac{\theta}{4}$

7) $y = 3\sin 3\theta$

8) $y = 3\sin \dfrac{\theta}{2}$

9) $y = 2 + 2\sin\left(\theta + \dfrac{3\pi}{4}\right)$

10) $y = 4\sin\left(\theta + \dfrac{\pi}{3}\right) + 1$