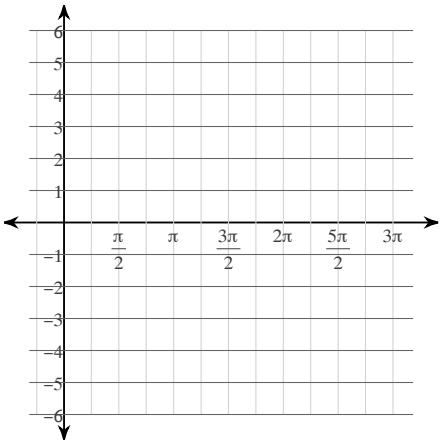
Secondary Math 3H Name_____

Homework 5-3: Graphing Trig

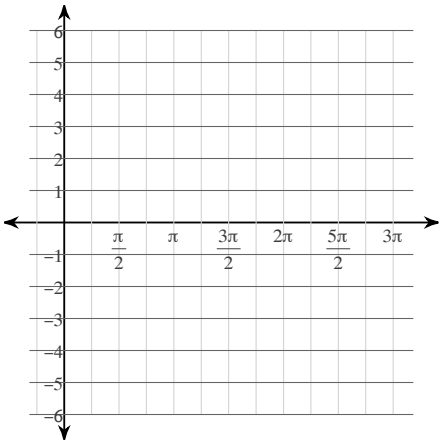
Date_____ Period____

Find the amplitude and the period in radians. Then sketch the graph using radians.

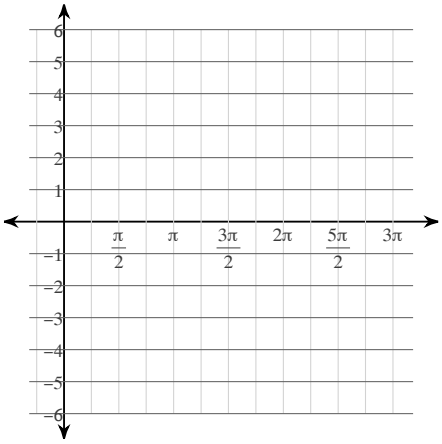
1) $y = 4\cos\theta$



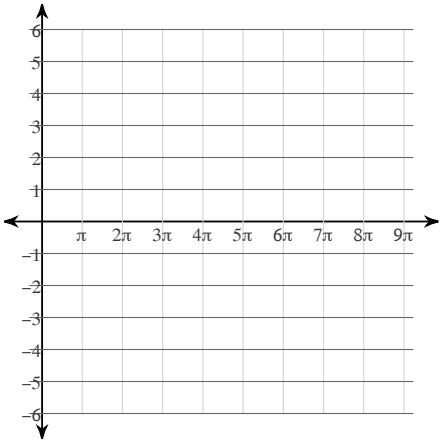
2) $y = 3\sin\theta$



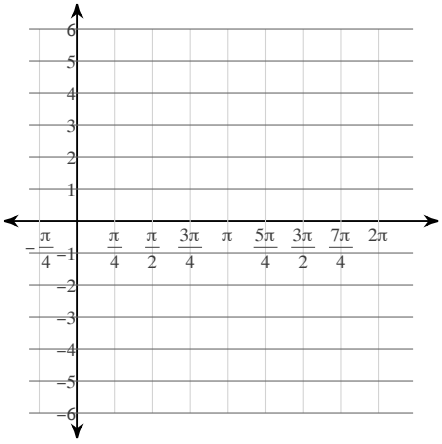
3) $y = \frac{1}{2} \cdot \sin\theta$



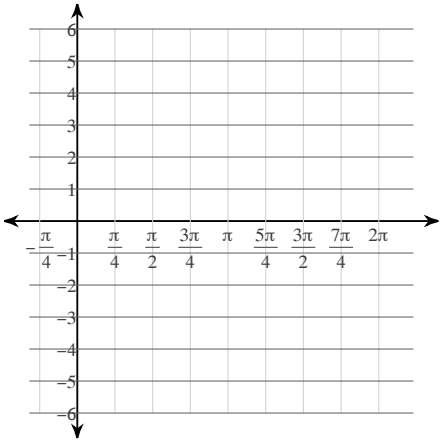
4) $y = \cos\frac{\theta}{3}$



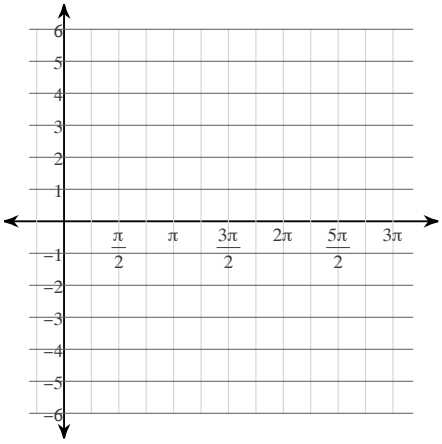
5) $y = \sin 2\theta$



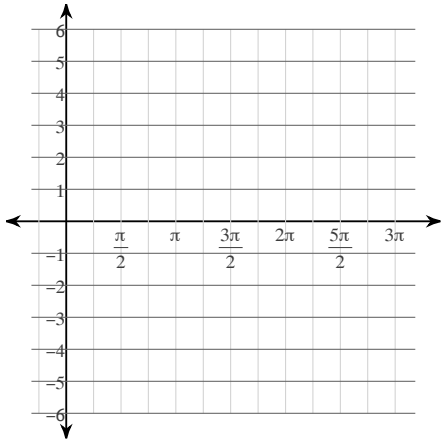
6) $y = \sin 3\theta$



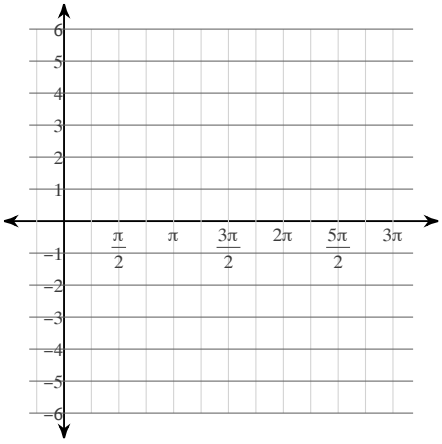
7) $y = \sin\left(\theta - \frac{\pi}{4}\right)$



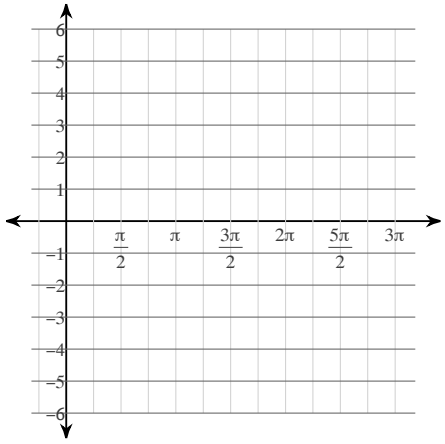
8) $y = \sin\left(\theta - \frac{3\pi}{4}\right)$



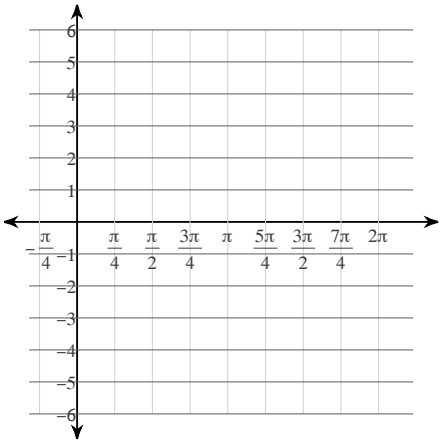
9) $y = \cos\theta - 1$



10) $y = -2 + \sin\theta$



11) $y = 4\cos 2\theta + 2$



12) $y = \frac{1}{2} \cdot \sin 4\theta - 2$