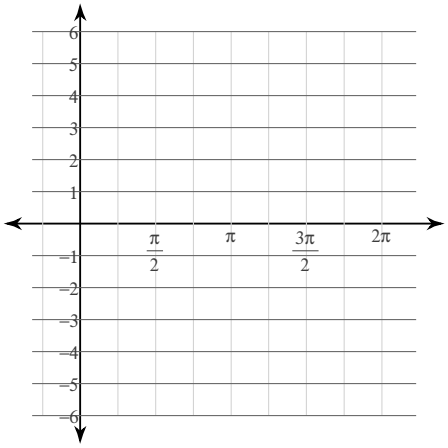
Algebra 2 Trigonometry Name_____

Trig Graph Practice for Final Exam

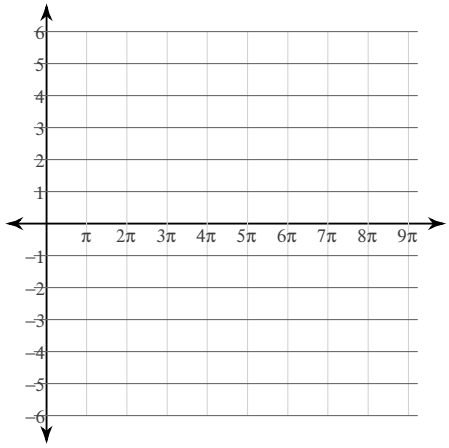
Date_____ Period____

Graph each function using radians.

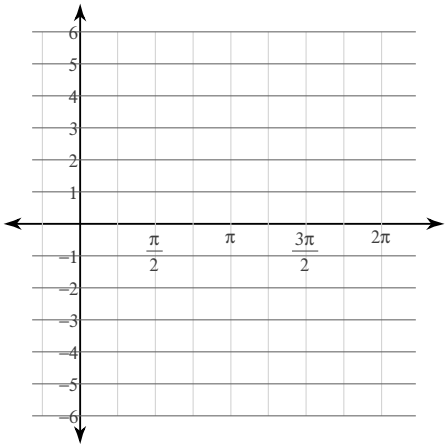
1) $y = \frac{1}{2} \cdot \cos\left(3\theta - \frac{\pi}{4}\right) - 2$



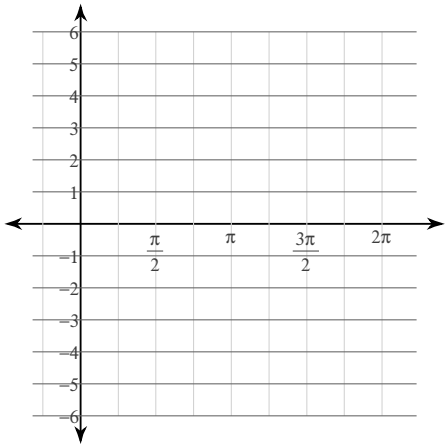
2) $y = 4\sin\left(\frac{\theta}{3} - \frac{4\pi}{3}\right) + 1$



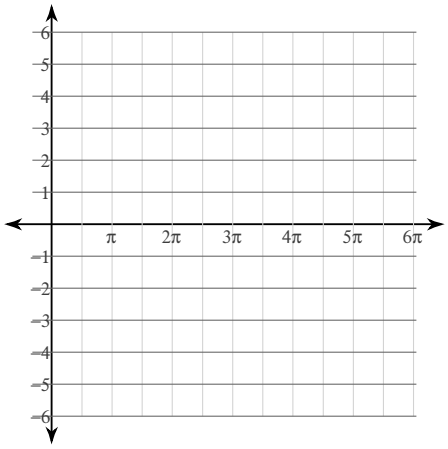
3) $y = -2 + \frac{1}{2} \cdot \sec\left(2\theta + \frac{11\pi}{6}\right)$



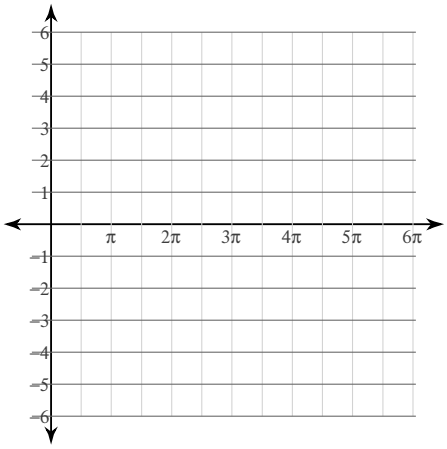
4) $y = 2\csc\left(2\theta + \frac{2\pi}{3}\right) - 1$



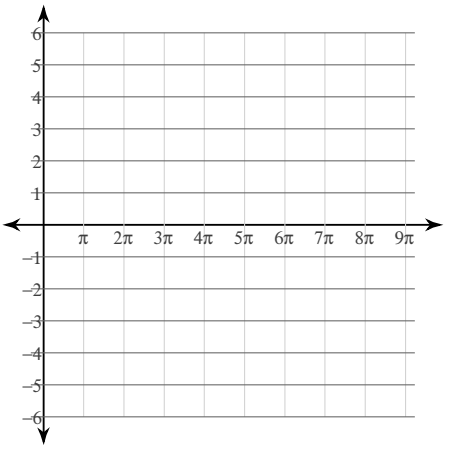
5) $y = 4\sin\left(\frac{\theta}{2} - \frac{\pi}{6}\right) + 2$



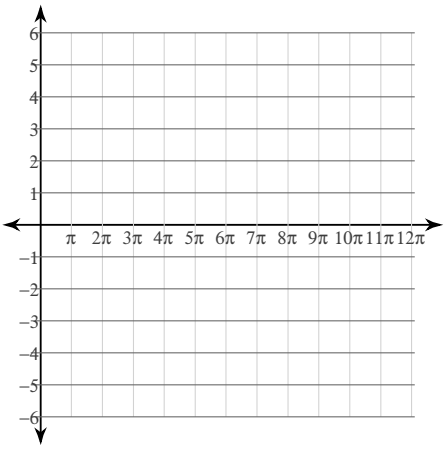
6) $y = 1 + \frac{1}{2} \cdot \csc\left(\frac{\theta}{2} + \frac{5\pi}{6}\right)$



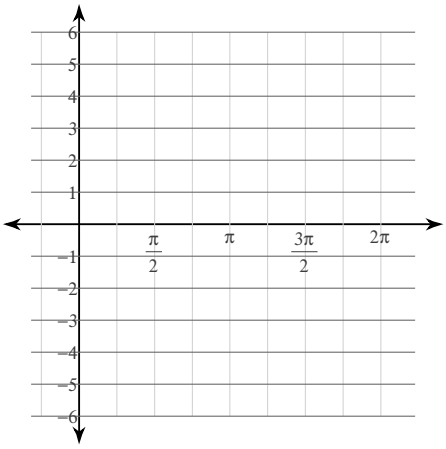
7) $y = \frac{1}{2} \cdot \sec\left(\frac{\theta}{3} + \frac{2\pi}{3}\right) - 2$



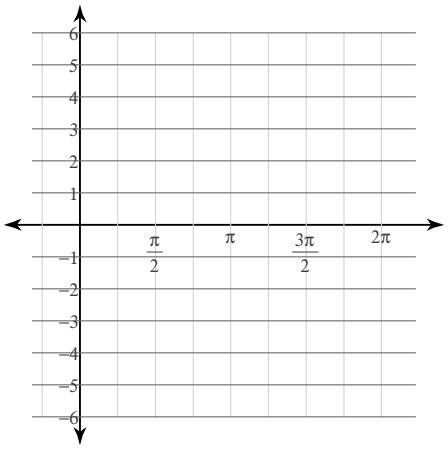
8) $y = 3\sin\left(\frac{\theta}{4} + \frac{\pi}{6}\right) + 1$



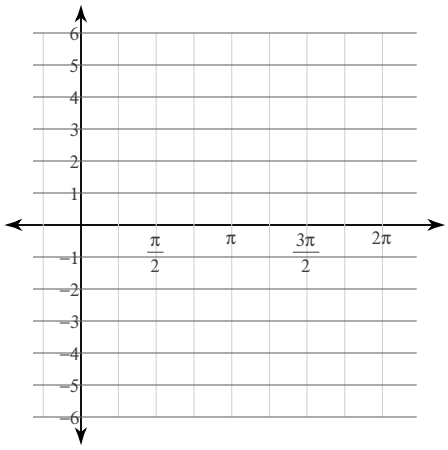
9) $y = \frac{1}{2} \cdot \cot\left(\theta - \frac{\pi}{2}\right)$



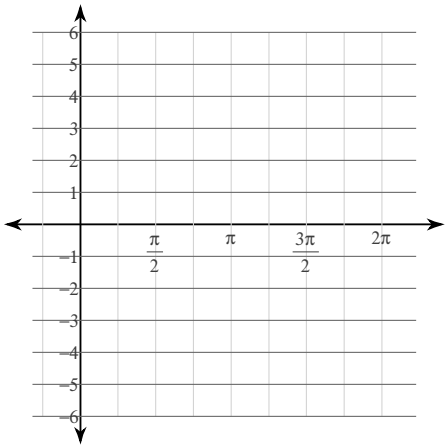
10) $y = 4\tan\theta$



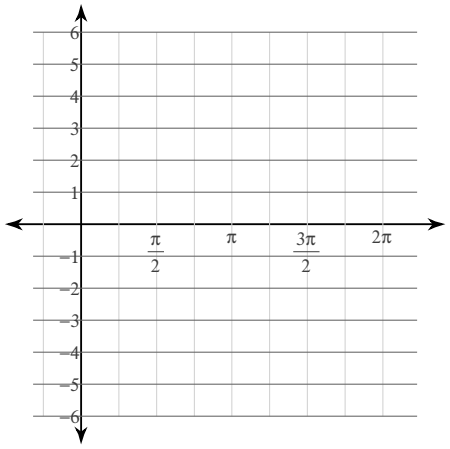
11) $y = 2\cot\theta$



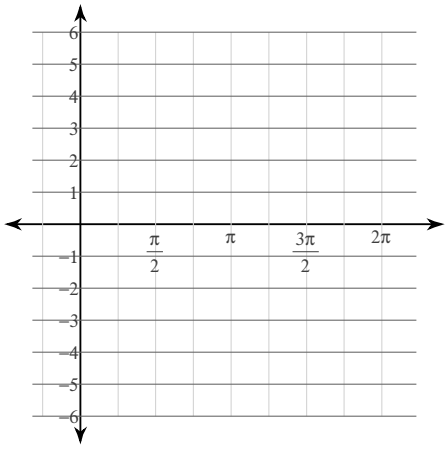
12) $y = 4\tan\left(\theta + \frac{\pi}{3}\right)$



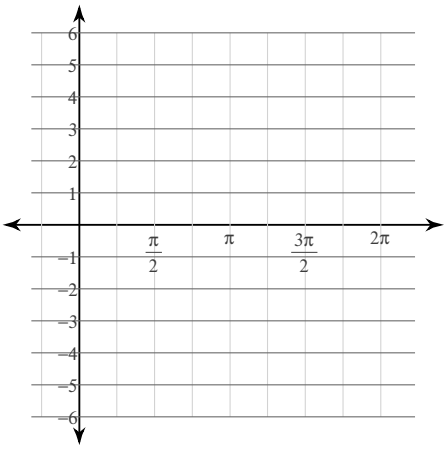
13) $y = \frac{1}{2} \cdot \cot\left(\theta - \frac{\pi}{3}\right)$



14) $y = \frac{1}{2} \cdot \tan\left(\theta + \frac{5\pi}{6}\right)$



15) $y = \frac{1}{2} \cdot \tan\left(\theta - \frac{7\pi}{6}\right)$



16) $y = 4\cot\left(\theta + \frac{\pi}{3}\right)$