Advanced Algebra

Name_____

Vertical and Horizontal shifts

Graph each function using radians.

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

2) $y = 1 + \tan\theta$

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

4) $y = \csc\left(\theta - \dfrac{5\pi}{4}\right) + 2$

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

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

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

8) $y = 1 + \cos\left(\theta - \dfrac{\pi}{2}\right)$
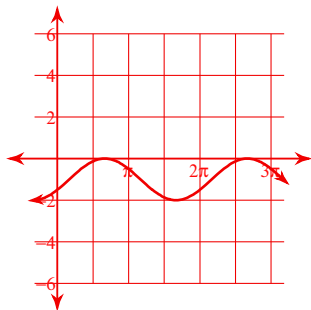
9) $y = \cot\left(\theta - \dfrac{\pi}{4}\right) - 2$

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

Advanced Algebra

Name_____

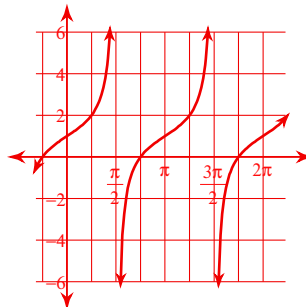# Vertical and Horizontal shifts
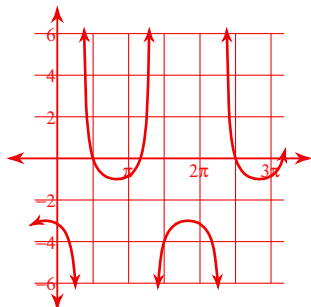
Graph each function using radians.

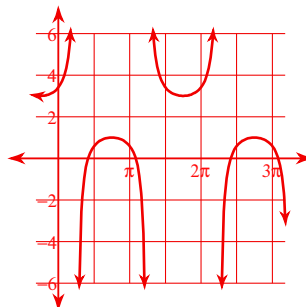1) $y = \cos\left(\theta - \dfrac{2\pi}{3}\right) - 1$
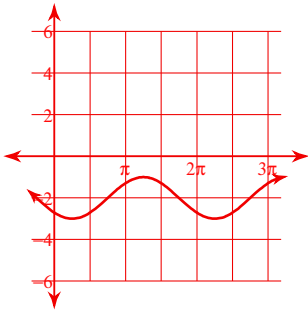
2) $y = 1 + \tan\theta$

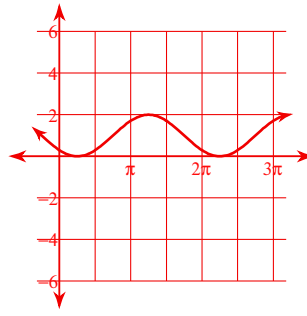3) $y = \sec\left(\theta + \dfrac{7\pi}{6}\right) - 2$

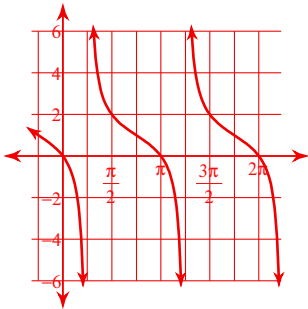4) $y = \csc\left(\theta - \dfrac{5\pi}{4}\right) + 2$

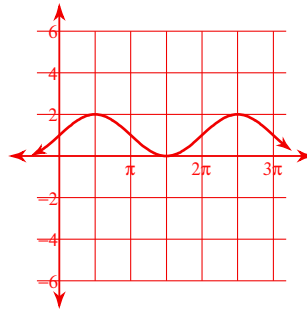5) $y = \sin\left(\theta + \dfrac{5\pi}{4}\right) - 2$
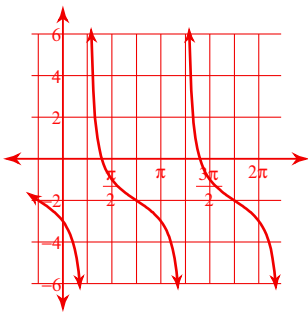

6) $y = \sin\left(\theta - \dfrac{3\pi}{4}\right) + 1$

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

8) $y = 1 + \cos\left(\theta - \dfrac{\pi}{2}\right)$

9) $y = \cot\left(\theta - \dfrac{\pi}{4}\right) - 2$

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