

## Quiz 4-4 to 4-5 Review

Find the amplitude, the period in radians, the phase shift in radians, and the vertical shift. Then sketch the graph using an appropriate and complete scale on both axes..

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

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

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

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

$$5) y = 4\sin\left(3\theta + \frac{5\pi}{6}\right) - 1$$

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

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

$$8) y = 2\csc\left(\frac{\theta}{2} - \frac{5\pi}{6}\right) - 1$$

$$9) y = \frac{1}{2} \cdot \sec\left(\frac{\theta}{3} - \frac{\pi}{2}\right) + 1$$

$$10) y = 3\tan\left(\frac{\theta}{2} + \frac{\pi}{6}\right) - 1$$