

$$8) y = 4 \sin\left(2\theta + \frac{5\pi}{6}\right) - 2$$

$$y = 4 \sin 2\left(\theta + \frac{5\pi}{12}\right) - 2$$

Amp: 4 per: π left $\frac{5\pi}{12}$ down 2

$$0 \rightarrow -\frac{5\pi}{12}$$

$$\frac{\pi}{2} - \frac{5\pi}{12} \rightarrow -\frac{2\pi}{12} = -\frac{\pi}{6}$$

$$\frac{\pi}{2} - \frac{5\pi}{12} \rightarrow \frac{\pi}{12}$$

$$\frac{3\pi}{4} - \frac{5\pi}{12} \rightarrow \frac{4\pi}{12} = \frac{\pi}{3}$$

$$\frac{2\pi}{2} - \frac{5\pi}{12} \rightarrow \frac{7\pi}{12}$$

