

Determine the features of the given function. Then graph. For # 1 θ is in degrees:

$$1) y = 3 + 2 \sin\left(\frac{\theta}{3} - 80^\circ\right)$$

Domain: _____ Range: _____

Amplitude: _____ Period: _____

Vertical Shift _____ Phase shift _____

Determine the features of the given function. Then graph. For # 2 θ is in radians:

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

Domain: _____ Range: _____

Amplitude: _____ Period: _____

Vertical Shift _____ Phase shift _____