

PreAP Precalculus

Name_____

Graphing cos and sin

Date_____Period_____

For the following trig function, determine the amplitude, period, phase shift, vertical shift and then sketch a graph.

1) $y = 3\sin\left[2\left(x + \frac{\pi}{6}\right)\right] + 1$

Amp_____

Period_____

P.S._____

V.S._____

2) $y = \frac{3}{2}\cos\left[\frac{1}{2}\left(x - \frac{2\pi}{3}\right)\right] - 2$

Amp_____

Period_____

P.S._____

V.S._____