

PreAP Precalculus

Name_____

Graphing sec and csc

Date_____Period_____

For the following trig functions, determine the amplitude, period, phase shift, vertical shift, general equation of the vertical asymptotes, and then sketch the graph.

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

Amp_____

Period_____

P.S._____

V.S._____

V.A._____

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

Amp_____

Period_____

P.S._____

V.S._____

V.A._____