

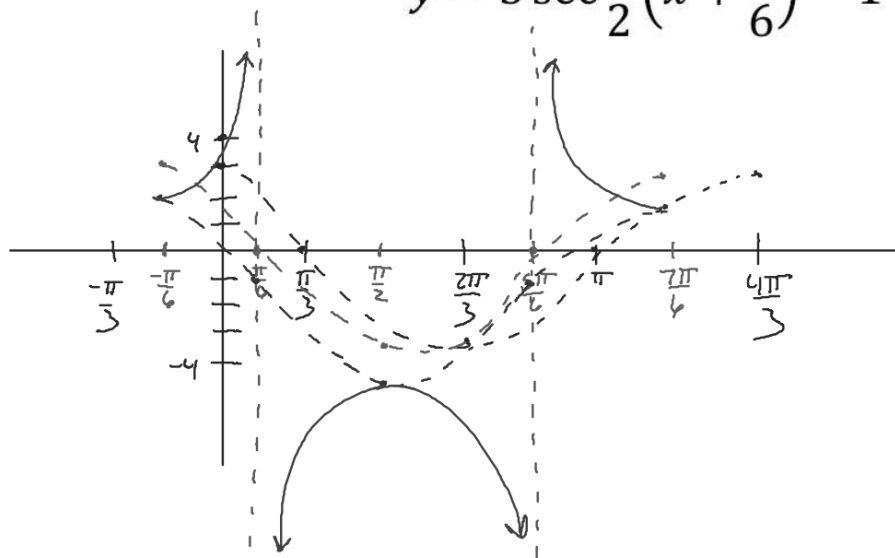
Determine the amplitude, period, horizontal shift, vertical shift, and asymptotes for each function.

Graph each function by labeling the x-axis and y-axis with significant coordinates.

Amp = 3 P.S. $\frac{\pi}{6}$ Left

Per = $\frac{2\pi}{B} = \frac{2\pi}{\frac{3}{2}} = \frac{4\pi}{3}$ V.S. Down 1

$y = 3 \sec \frac{3}{2} \left(x + \frac{\pi}{6} \right) - 1$ V.A. $x = \frac{\pi}{6}, \frac{5\pi}{6}$



Determine the amplitude, period, horizontal shift, vertical shift, and asymptotes for each function.

Graph each function by labeling the x-axis and y-axis with significant coordinates.

Amp = 2 P.S. $\frac{\pi}{4}$ Right

Per = 2 V.S. Up 2

V.A. $x = \frac{1}{4}, \frac{5}{4}, \frac{7}{4}$

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

