

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.

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

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.

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

Graph 2 periods of the function.

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

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

$$y = 3 \tan 4 \left( x + \frac{\pi}{8} \right) + 1$$

Graph 2 periods of the function.

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

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

$$y = \cot 3 \left( x - \frac{\pi}{12} \right) - 2$$