

Graphs of Tangent and Cotangent

$$y = \tan x = \frac{\sin x}{\cos x}$$

$$y = A \tan(wx + \phi) + B$$

$$\text{Ex. } y = 3 \tan\left(\frac{1}{2}x - \pi\right)$$

Graph of Cotangent Function

$$y = \cot x = \frac{\cos x}{\sin x}$$

$$y = \cot(\omega x + \phi) + B$$

$$\text{Ex. } y = -\frac{1}{2} \cot(3x - \pi) + 2$$

$$y = -\frac{1}{2} \cot(3x - 2\pi) + 1$$