

Derivative of trigonometric functions

$$\lim_{h \rightarrow 0} \frac{\cos h - 1}{h}$$

$$\frac{d}{dx}(\sin x) =$$

$$\frac{d}{dx}(\tan x) =$$

$$\frac{d}{dx}(\cos x) =$$

$$\frac{d}{dx}(\cot x) =$$

$$\frac{d}{dx}(\sec x) =$$

$$\frac{d}{dx}(\sin x) =$$

$$\frac{d}{dx}(\cos x) =$$

$$\frac{d}{dx}(\tan x) =$$

$$\text{Ex. } y = x^2 \cot x - \frac{1}{x^2}$$

$$\frac{d}{dx}(\cot x) =$$

$$\frac{d}{dx}(\sec x) =$$

$$\frac{d}{dx}(\csc x) =$$

$$\text{Ex. } p = \frac{\sin q + \cos q}{\cos q}$$

$$\text{Try It: } y = \frac{\cos x}{x} + \frac{x}{\cos x}$$