

**sin x**

$$\frac{1}{\csc x}$$

**cos x**

$$\frac{1}{\sec x}$$

**tan x**

$$\frac{1}{\cot x}$$

**tan x**

$$\frac{\sin x}{\cos x}$$

**cot x**

$$\frac{\cos x}{\sin x}$$

**csc x**

$$\frac{1}{\sin x}$$

**sec x**

$$\frac{1}{\cos x}$$

**cot x**

$$\frac{1}{\tan x}$$

$$\cos^2 x + \sin^2 x$$

$$1$$

$$\cos^2 x$$

$$1 - \sin^2 x$$

$$\sin^2 x$$

$$1 - \cos^2 x$$

$$1 + \tan^2 x$$

$$\sec^2 x$$

$$\tan^2 x$$

$$\sec^2 x - 1$$

$$\sec^2 x - \tan^2 x$$

$$1$$

$$\cot^2 x + 1$$

$$\csc^2 x$$

$$\cot^2 x$$

$$\csc^2 x - 1$$

$$\csc^2 x - \cot^2 x$$

$$1$$

$$\sin(-x)$$

$$-\sin x$$

$$\cos(-x)$$

$$\cos x$$

$$\csc(-x)$$

$$-\csc x$$

$$\sec(-x)$$

$$\sec x$$

$$\tan(-x)$$

$$-\tan x$$

$$\cot(-x)$$

$$-\cot x$$

$$\sin\left(\frac{\pi}{2} - x\right)$$

$$\cos x$$

$$\cos\left(\frac{\pi}{2} - x\right)$$

$$\sin x$$

$$\tan\left(\frac{\pi}{2} - x\right)$$

$$\cot x$$

$$\sec\left(\frac{\pi}{2} - x\right)$$

$$\csc x$$

$$\csc\left(\frac{\pi}{2} - x\right)$$

$$\sec x$$

$$\cot\left(\frac{\pi}{2} - x\right)$$

$$\tan x$$