

Trigonometry: Unit Circle Reference

$$\sin \theta = \frac{1}{\csc \theta}$$

$$\tan \theta = \frac{1}{\cot \theta} = \frac{\sin \theta}{\cos \theta}$$

$$\sin^2 \theta + \cos^2 \theta = 1$$

$$\sec^2 \theta - \tan^2 \theta = 1$$

$$\cos \theta = \frac{1}{\sec \theta}$$

$$\cot \theta = \frac{1}{\tan \theta} = \frac{\cos \theta}{\sin \theta}$$

$$\csc^2 \theta - \cot^2 \theta = 1$$

$$\sin x = \pm \sqrt{1 - \cos^2 x}$$

$$\cos x = \pm \sqrt{1 - \sin^2 x}$$

