

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

$$1 + \tan^2 x = \sec^2 x$$

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

$$1 + \cot^2 x = \operatorname{cosec}^2 x$$

$$\operatorname{cosec} x = \frac{1}{\sin x}$$

$$\cos 2x = 1 - 2 \sin^2 x$$

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

$$\cos 2x = 2 \cos^2 x - 1$$

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

$$\cos 2x = \cos^2 x - \sin^2 x$$

$$\tan 2x = \frac{2 \tan x}{1 - \tan^2 x}$$