Identities

sec x = 1/cos x

csc x = 1/sin x

cot= 1/tan x

Cotangent/tangent

tan x = sin x/cos x

cot x = cos x/sin x

Reciprocal Identities

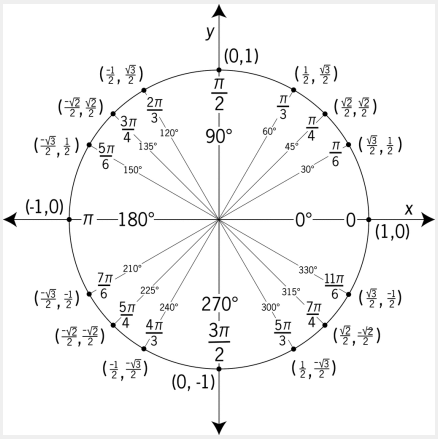
$$\sin\theta = \frac{1}{\csc\theta} \qquad \cos\theta = \frac{1}{\sec\theta} \qquad \tan\theta = \frac{1}{\cot\theta}$$

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

Domain and Range

Domain: The domain of a function is the set of all possible input values (often the "x" variable), which produce a valid output from a particular function. It is the set of all real numbers for which a function is mathematically defined.
Range: The range is the set of all possible output values (usually the variable y, or sometimes expressed as f(x)), which result from using a particular function.

Unit Square

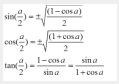


Logarithmic and Exponential Equations

y= ln x

y= b^x

Half-Angle Identities



Double-angle Identities

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