TRIGONOMETRIC FUNCTIONS

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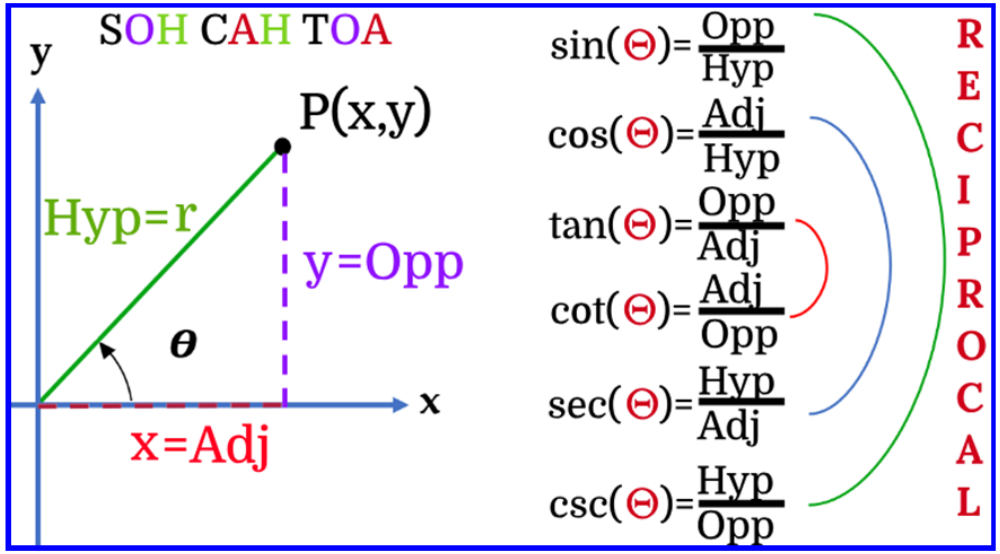
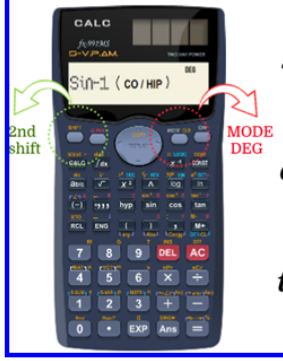
The trigonometric functions notation from a given angle is represented as shown below:

NOTATION	DESCRIPTION	READ AS
$sin(\theta)$	Sine function evaluated at the angle "θ"	Sine of "θ"
$cos(\theta)$	Cosine function evaluated at the angle "θ"	Cosine of "θ"
$tan(\theta)$	Tangent function evaluated at angle "θ"	Tangent of "θ"
$cot(\theta)$	Cotangent function evaluated at angle "θ"	Cotangent of "θ"
$sec(\theta)$	Secant function evaluated at angle "θ"	Secant of "θ"
$csc(\theta)$	Cosecant function evaluated at angle "θ"	Cosecant of "θ"



ANGLE OF THE TRIGONOMETRIC FUNCTIONS

The angle of a trigonometric function can also be obtained by isolating the angle and calculating its value using the scientific calculator.



$$sin(\theta) = \frac{Opp}{Hyp} \Rightarrow \theta = arcsin\left(\frac{Opp}{Hyp}\right)$$

$$cos(\theta) = \frac{Adj}{Hyp} \Rightarrow \theta = arccos\left(\frac{Adj}{Hyp}\right)$$

$$tan(\theta) = \frac{Opp}{Adj} \Rightarrow \theta = arctan\left(\frac{Opp}{Adj}\right)$$

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