

Trigonometry & Hyperbolic Worksheet



This worksheet provides trigonometric, logarithmic and other common mathematical functions to the displayed number.

[DEG >]	Set the current angular unit (Decimal degrees, radians, gradians, degree-minute-seconds or slope percent).
[π]	Enter the value of pi into the calculator.
[SIN] [SIN ⁻¹]	Calculates the Sine of the displayed number. Calculates the Inverse Sine of the displayed number.
[COS] [COS ⁻¹]	Calculates the Cosine of the displayed number. Calculates the Inverse Cosine of the displayed number.
[TAN] [TAN ⁻¹]	Calculates the Tangent of the displayed number. Calculates the Inverse Tangent of the displayed number.
[LOG] [10 ^X]	Calculates the Common logarithm (base 10). Calculates the Common Antilogarithm (10x).
[LN] [EXP]	Calculates the Natural logarithm. Calculates the Natural Anti-logarithm or exponential.
[N!] [RND] [INTG] [FRAC]	Factorial of the displayed number. Rounds the displayed number to the actual N ^o of decimals. Integer part of the displayed number. Fractional part of the displayed number.

The calculation of trigonometric functions are performed accordingly to the selected unit (**DEG**, **RAD**, **GRD**, **DMS** or $\triangle\%$).

The following examples assumes 4 decimals display setting.

Example: (Trigonometric Functions)

Calculation	Keystrokes	Result
Sine of 33.5 degrees	33.5 [DEG] [Sin]	0.5519
Cosine of 0.25 radians	0.25 [RAD] [Cos]	0.9689
Tangent of 78 gradians	78 [GRD] [Tan]	2.7776
Arc-Sine of 0.7982 in radians	0.7982 [RAD] [Sin ⁻¹]	0.9243
Arc-Cos. of 0.2437 in gradians	0.2437 [GRD] [Cos ⁻¹]	84.3278
Arc-Tangent of 0.4567 in degrees	0.4567 [DEG] [Tan ⁻¹]	24.5462

Example: (Logarithmic Functions)

Calculation	Keystrokes	Display
Logarithm base 10 of 2.5	2.5 [LOG]	0.3979
Antilogarithm base 10 of 3.56	3.56 [10^X]	3,630.7805
Natural Logarithm of 68.0	68 [LN]	4.2195
Exponential of 4.6	4.6 [EXP]	99.4843

Example: (Other Functions) Assumes “Number Format” set to “ALL” in the calculator’s “General Settings”.

Calculation	Keystrokes	Result
Factorial of 15	15 [N!]	1,307,674,368,000
Integer part pi	[π] [INTG]	3
Fractional part of pi	[π] [FRAC]	0,14159265358979
Round pi	[π] [RND]	3.1416