

Trigonometry & Hyperbolic Worksheet



This worksheet provides a direct way to apply trigonometric and hyperbolic functions to the displayed number.

[DEG], [RAD], [GRD], [DMS] or [$\Delta\%$]	Set the current angular unit (Decimal degrees, radians, gradians, degree-minute-seconds or slope percent).
[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.
[Sinh] [Sinh⁻¹]	Calculates the Hyperbolic Sine of the displayed number. Calculates the Inverse Hyperbolic Sine of the displayed number.
[Cosh] [Cosh⁻¹]	Calculates the Hyperbolic Cosine of the displayed number. Calculates the Inverse Hyperbolic Cosine of the displayed number.
[Tanh] [Tanh⁻¹]	Calculates the Hyperbolic Tangent of the displayed number. Calculates the Inverse Hyperbolic Tangent of the displayed number.
[π], [$\pi/2$], [$\pi/3$], [$\pi/4$] or [$\pi/5$]	Shortcuts to enter the value of pi and selected fractions into the calculator.

The calculation of trigonometric functions are performed accordingly to the selected “Current Unit” (**DEG**, **RAD**, **GRD**, **DMS** or $\Delta\%$).

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: (Hyperbolic Functions)

Calculation	Keystrokes	Result
Hyperbolic Sine of 2.5	2.5 [Sinh]	6.0502
Hyperbolic Cosine of 1.75	1.75 [Cosh]	2.9642
Hyperbolic Tangent of 0.65	0.65 [Tanh]	0.5717
Hyperbolic Arc-Sine of 2.5	2.5 [Sinh ⁻¹]	1,6472
Hyperbolic Arc-Cosine of 2.67	2.67 [Cosh ⁻¹]	1.6382
Hyperbolic Arc-Tangent of 0.8	0.8 [Tanh ⁻¹]	1.0986