

Trigonometry Menu

This tool implements the common trigonometric functions. To show it, select the “**MATH**” menu from the main menu and select the “**TRIG**” tap or touch **[Shift] [TRIG]** in the keyboard.



The calculation of trigonometric functions and Polar-Rectangular conversions are performed accordingly to the selected angle units.

Example 1: Trigonometric functions

Operation	Keystrokes	Display
Sine of 33.5°	33.5 [DEG] [SIN]	0.5519
Cosine of $\pi/3$ rad	[\pi] [÷] 3 [=] [RAD] [COS]	0.5000
Tangent of 78 grad	78 [GRD] [TAN]	2.7776
Arc-Sine of 0.7982 in rad	0.7982 [RAD] [ASIN]	0.9243
Arc-Cos. of 0.2437 in grad	0.2437 [GRD] [ACOS]	84.3278
Arc-Tangent of 0.4567 in $^\circ$	0.4567 [DEG] [ATAN]	24.5462

Example 2: Polar <-> Rectangular

Convert the rectangular coordinate (10.0, 5.0) to polar coordinates. Express the angular result in Degrees.

Keystrokes	Description
5 [INPUT]	Type the Y-coordinate and the calculator's [INPUT] key to enter it.
10	Type the X-coordinate.
[DEG]	Set the Angular mode to Degrees.
[→ R, Ø]	Calculate the angle in the Y-stack. ∠ = 26.5651 (Degrees) Calculate the radius in the X-stack. Radius = 11.1803 (Radius)

Example 5: Convert the polar coordinate (12.0 , ∠30.0°) to rectangular coordinates.

Keystrokes	Description
30 [INPUT]	Type the Angle and the calculator's [INPUT] key to enter it.
12	Type the Radius.
[DEG]	Set the Angular unit to Degrees.
[→ X,Y]	Calculate the Y-coor in the Y-stack. Y = 6.0000 Calculate the Y-coord. in the X-stack. X = 10.3923