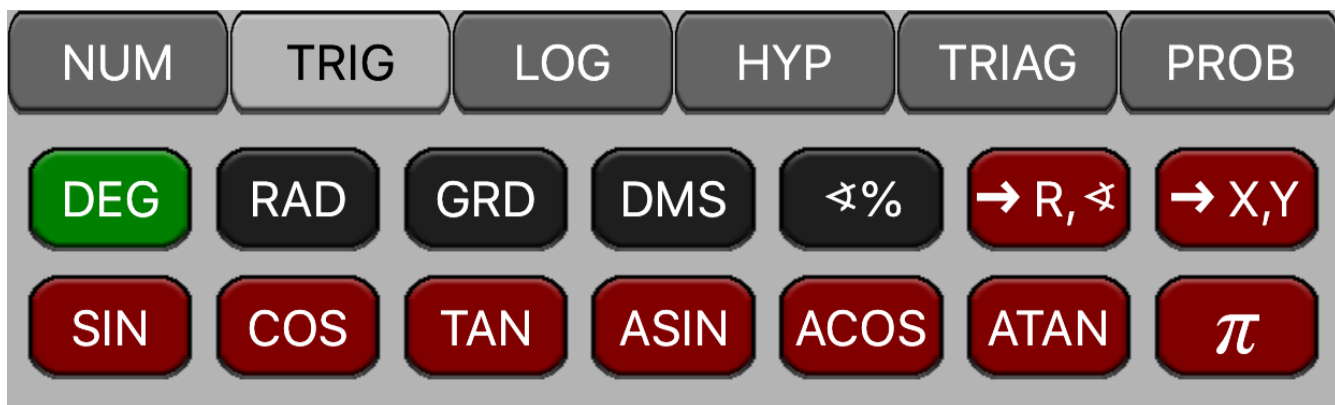


Trigonometry Menu

This tool implements the common trigonometric functions to the RLM-10BII. To show it, select the “**Math**” menu button from the main menu, and select the “**TRIG**” tap option.



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

Example 1: Trigonometric functions

Operation	Keystrokes	Display
Sine of 33.5°	“33.5” [DEG] [SIN]	0.5519
Cosine of $\pi/3$ rad	[π] [\div] “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
Type "5" [INPUT]	Type the Y-coordinate and the calculator's [INPUT] key to enter it.
Type "10"	Type the X-coordinate.
[DEG]	Set the Angular mode to Degrees.
[→R,∠]	Calculate the radius and angle. Displays the radius. Radius = 11.1803
[↔][SWAP]	Displays the angle. ∠ = 26.5651 (Deg)

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

Keystrokes	Description
Type "30" [INPUT]	Type the Angle and the calculator's [INPUT] key to enter it.
Type "12"	Type the Radius.
[DEG]	Set the Angular unit to Degrees.
[→X,Y]	Calculate the X & Y coordinates. Displays the X-coord. X = 10.3923
[↔][SWAP]	Displays the Y-coord. Y = 6.0000