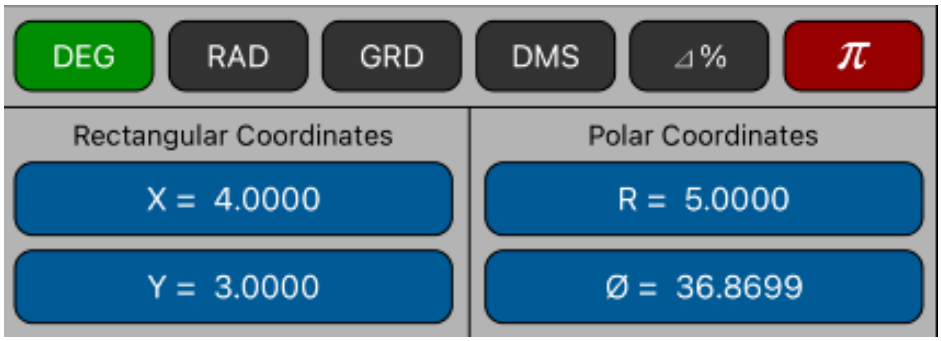
Polar-Rectangular Menu



This menu adds Polar-Rectangular coordinates conversion functions to the calculator. The polar angle unit is the selected Angle Mode.

Polar-Rectangular Actions	
π	Enters the value of "Pi" in the calculator.
[X]	Stores or calculates the 'X' rectangular coordinate.
[Y]	Stores or calculates the 'Y' rectangular coordinate.
[R]	Stores or calculates the radius 'R' polar coordinate.
[Ø]	Stores or calculates the angle 'Ø' polar coordinate.
If any other key is pressed before one of the **Blue** keys, the displayed number is stored in the corresponding variable. Otherwise, the variable is calculated.	

Example 1: Convert the rectangular coordinate (10.0, 5.0) to polar coordinates. Express the angular result in Degrees.

Solution:

Keystrokes	Description
Select [DEG]	Set the current angle unit to Degrees.
10 [X]	Input the X-coordinate.
5 [Y]	Input the Y-coordinate.
[R]	Calculate the radius. **Result = 11.1803** (Radius)
[Ø]	Calculate the angle. **Result = 26.5651** (Degrees)

Example 2: Convert the polar coordinate (12.0 , ∠30.0º) to rectangular coordinates.

Solution:

Keystrokes	Description
Select **[DEG]**	Set the current angle unit to Degrees.
12 **[R]**	Input the Radius polar coordinate.
30 **[Ø]**	Input the Angle polar coordinate.
[X]	Calculate the X-coordinate. **Result = 10.3923**
[Y]	Calculate the Y-coordinate. **Result =** 6.**0000**