Polar - Rectangular Conversions Menu (P-R)

X-coord	Stores or calculates the X-axis rectangular coordinate. **X-coord = R · cos(∢)**
Y-coord	Stores or calculates the Y-axis rectangular coordinate. **Y-coord = R · sin(∢)**
R	Stores or calculates the Radius polar coordinate. **R = √ (X-coord ^{2} + Y-coord ^{2})**
∢	Stores or calculates the Angle polar coordinate. **∢ = ATan2(Y-coord / X-coord)**
BACK	Get back to previously displayed menu.

Note: All the calculations are performed considering the currently selected angle mode for the the "∢" value.

Example:
Convert the rectangular coordinates (10, 15) to polar coordinates:

Solution: Follow the next sequence:

Keystrokes	Description
10 X-coord	Stores the X-axis coordinate. **X-coord = 10.00**
15 Y-coord	Stores the Y-axis coordinate. **Y-coord = 15.00**
R	Calculates the Radius polar coordinate. **R = 18.03**
∢	Calculates the Angular polar coordinate. ∢ **= 56.31** (DEG mode) or **0.98** (RAD mode)