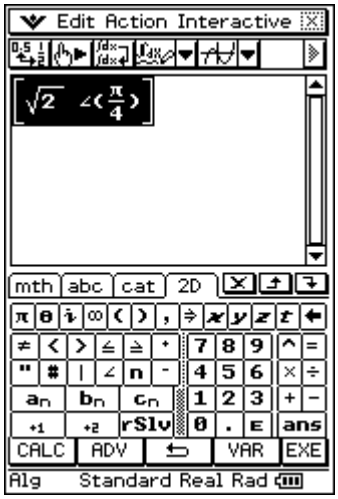
| Classpad Help Series sponsored by Casio Education Australia | | www.casioed.net.au | |
|---|---|---|---|
| 074 | Polar To Rectangular Coordinate Conversions | Author | Charlie Watson |
| | | Date | 31 January 2010 |
| | | CPM OS | **03.04.4000** |

Start in Main and check settings at bottom of screen.

1. Convert a polar coordinate of $\left(\sqrt{2},\frac{\pi}{4}\right)$ into rectangular form.




Open the keyboard, tap on the **mth** tab and then **CALC**.

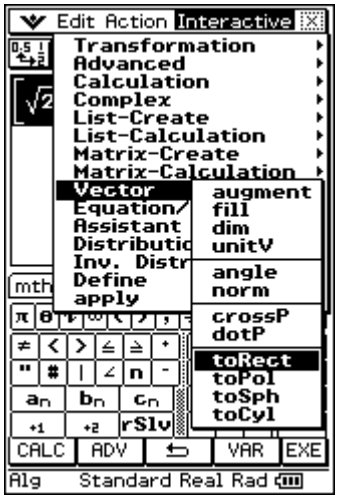
Tap [■□] once, tap [⮌] and enter the magnitude of $\sqrt{2}$.

Tap **OPTN**, tap [∠] and enter the argument of $\pi/4$.

Select the entire entry.

---

Tap **Interactive, Vector, toRect**.

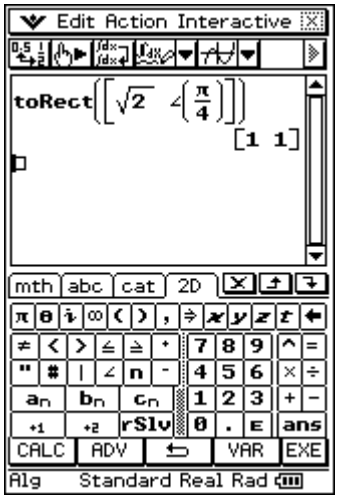



The toRect box opens.

Tap **OK**.

---

The rectangular (Cartesian) form is returned.



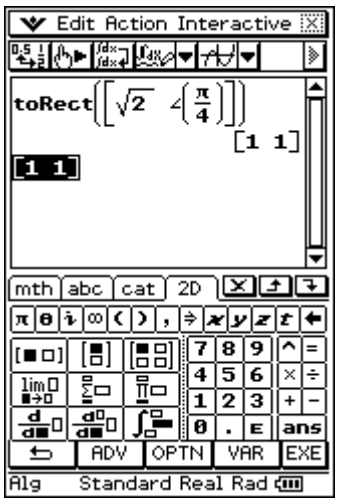

---

2. Convert a rectangular coordinate of (1, 1) into polar form.

Open the keyboard, tap on the **mth** tab and then **CALC**.

Tap [■□] once.

Enter the coordinates and select the entire entry.

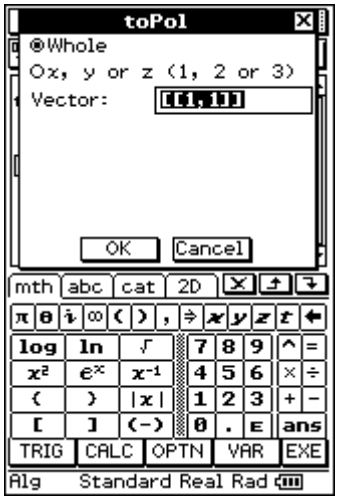



---

Tap **Interactive, Vector, toPol**.

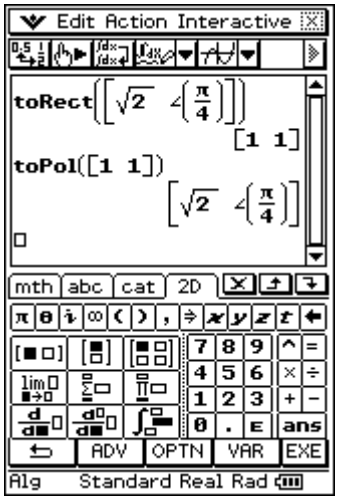
The toPol box opens.

Tap **OK**.




---

The polar form is returned.




---