

Convert a polar coordinate of $\left(\sqrt{2}, \frac{\pi}{4}\right)$

into rectangular form.

Use the Math3 keyboard to enter the point and tap EXE.

ClassPad converts straight to rectangular form.

Although a function exists – Action, Vector, toRect – it's not needed here.

Use toPol to convert back to polar form.

Try the Interactive version of toPol for the point [-2, 2].

ClassPad II interface showing the input of the polar coordinate $\left(\sqrt{2}, \frac{\pi}{4}\right)$ and the resulting rectangular form $[1 \ 1]$. The Math3 keyboard is used for input, and the EXE key is pressed to execute the conversion.

ClassPad II interface showing the Action menu with the Vector submenu open. The **toPol** option is highlighted, indicating the next step in the process.

ClassPad II interface showing the use of the **toPol** function to convert the rectangular form $[1 \ 1]$ back to the polar form $\left(\sqrt{2}, \frac{\pi}{4}\right)$.

ClassPad II interface showing the use of the Interactive version of the **toPol** function to convert the rectangular form $[-2 \ 2]$ to the polar form $2\sqrt{2} \angle \left(\frac{3\pi}{4}\right)$.