

The graph of $y = \cos \theta$ is symmetric about the y -axis. This means that if you have one point on the graph, its mirror image over the y -axis is also on the graph. The mirror image of $\left(\frac{7\pi}{4}, \frac{\sqrt{2}}{2}\right)$ is $\left(-\frac{7\pi}{4}, \frac{\sqrt{2}}{2}\right)$, so it is on the graph.