

It appears that you found the value of  $\cos\left(\frac{5\pi}{3}\right)$ . Perhaps you made a mistake when converting from radians to degrees or finding the reference angle. You need to multiply a radian measure by  $\frac{180^\circ}{\pi}$  to convert to degrees. So  $\frac{7\pi}{4}$  radians equals  $315^\circ$  and the reference angle is  $45^\circ$ . Find the x-coordinate of the point where  $315^\circ$  intersects the unit circle.