

The point  $\left(-\frac{\sqrt{3}}{2}, -\frac{1}{2}\right)$  is where the angle  $\frac{7\pi}{6}$  radians or  $210^\circ$  intersects the unit circle. The  $x$ -coordinate gives you the value of the cosine function at that angle, and the  $y$ -coordinate gives you the value of the sine function at that angle. So:

$$\cos\left(\frac{7\pi}{6}\right) = -\frac{\sqrt{3}}{2} \quad \text{and} \quad \sin\left(\frac{7\pi}{6}\right) = -\frac{1}{2}$$