

You probably worked with the point  $\left(-\frac{1}{2}, -\frac{\sqrt{3}}{2}\right)$ , which corresponds to the angle  $\frac{4\pi}{3}$  and gives you this information. However, 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 correct answer is:  $\cos\left(\frac{7\pi}{6}\right) = -\frac{\sqrt{3}}{2}$  and  $\sin\left(\frac{7\pi}{6}\right) = -\frac{1}{2}$