

You probably worked with the point $\left(-\frac{1}{2}, -\frac{\sqrt{3}}{2}\right)$, which corresponds to the angle $\frac{4\pi}{3}$. However, the point

$\left(-\frac{\sqrt{3}}{2}, -\frac{1}{2}\right)$ is where the angle $\frac{7\pi}{6}$ radians or 210° intersects the unit circle. The correct answer is:

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