You may have correctly determined that the point $\left(-\frac{1}{2}, \frac{\sqrt{3}}{2}\right)$ is where the angle $\frac{2\pi}{3}$ radians or 120° intersects the

unit circle. However, you forgot which coordinate corresponds to which function. 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.