You may have correctly determined that the reference angle is  $45^{\circ}$  and then confused cosine with cotangent. To find the correct value of  $\cos 315^{\circ}$  you must find the value of  $\cos 45^{\circ}$  and then determine the correct sign. To determine the correct sign, use the signs of *x* and *y* in the fourth quadrant, remembering that:  $\cos \theta = \frac{x}{1}$