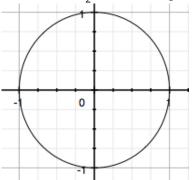
## Example 1: Solve $cos(x) = \frac{1}{2}$ for x in the interval $[0, 2\pi)$

Remember that on the unit circle, cos(x) is the first coordinate.

## Example 1: Solve $cos(x) = \frac{1}{2}$ for x in the interval $[0, 2\pi)$

- Remember that on the unit circle, cos(x) is the first coordinate.
- So we want to find points on the unit circle whose first coordinate is  $\frac{1}{2}$ . We will begin in QI:



## Example 1: Solve $cos(x) = \frac{1}{2}$ for x in the interval $[0, 2\pi)$

- ▶ Remember that on the unit circle, cos(x) is the first coordinate.
- ► So we want to find points on the unit circle whose first coordinate is  $\frac{1}{2}$ . We will begin in QI: mark the point whose first coordinate is  $\frac{1}{2}$

