

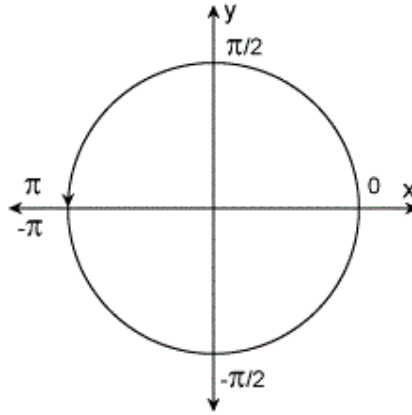
Topic

Notes

Examples

Determine Quadrants

- 1) Remember the quadrants.
- 2) Use the $0, 2\pi$ and π positions on the circle.
- 3) Only add or subtract 1 to locate the angle and find the quadrant.



Which quadrant is $\frac{6\pi}{5}$ in?

Half way around the circle = $\frac{5\pi}{5}$ is not far enough. You have to go one more which puts the angle in QIII.

Which quadrant is $\frac{7\pi}{4}$ in?

Half way around the circle = $\frac{4\pi}{4}$ is not far enough. All the way around the circle = $\frac{8\pi}{4}$ is too far. You have to go one less which puts the angle in QIV.