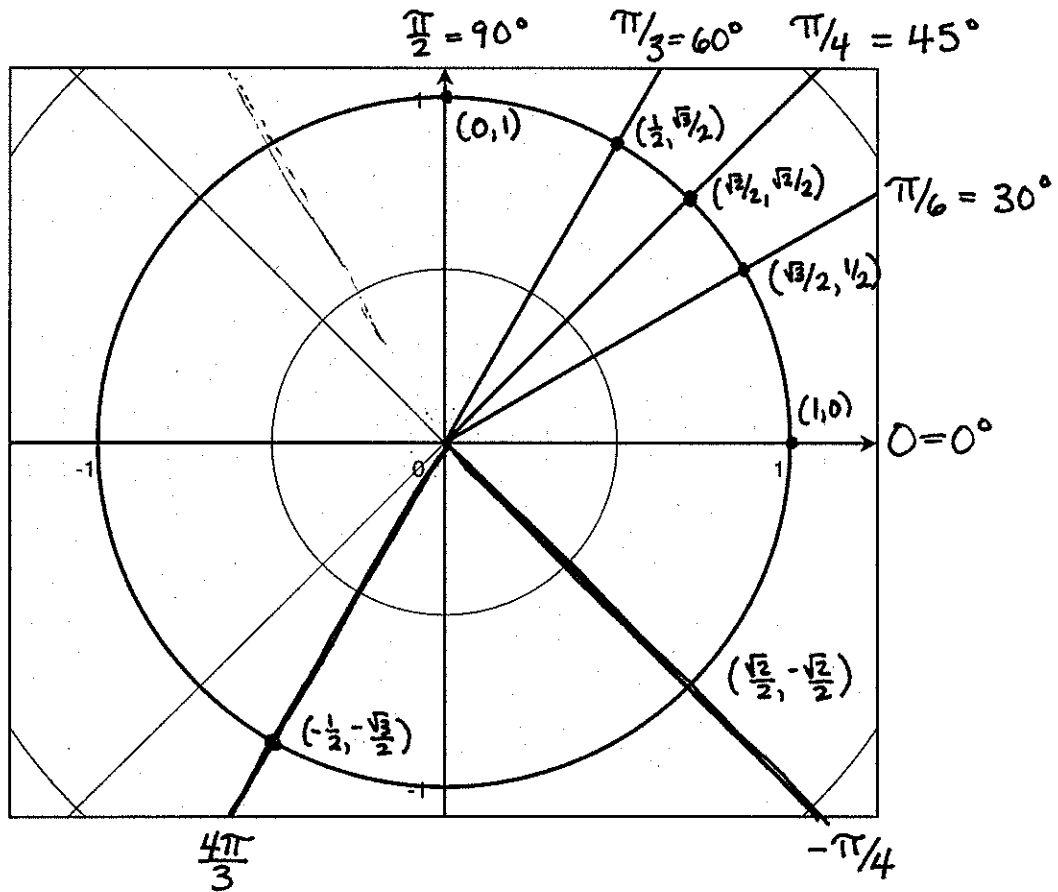


Name: Amy

Section: _____



1. Label the five standard angles in the first quadrant in radians and degrees.
2. Mark the points on the unit circle corresponding to the five standard angles in the first quadrant, and give x and y -coordinates for each point.
3. Draw and label the following angles:
 - (a) $\theta = \frac{4\pi}{3}$
 - (b) $\theta = -\frac{\pi}{4}$
4. Find $\sin \theta$, $\cos \theta$, and $\tan \theta$ for

(a) $\theta = \frac{4\pi}{3}$

$$\sin \frac{4\pi}{3} = -\frac{\sqrt{3}}{2}$$

$$\tan \frac{4\pi}{3} = \sqrt{3}$$

$$\cos \frac{4\pi}{3} = -\frac{1}{2}$$

(b) $\theta = -\frac{\pi}{4}$

$$\sin\left(-\frac{\pi}{4}\right) = -\frac{\sqrt{2}}{2}$$

$$\tan\left(-\frac{\pi}{4}\right) = -1$$

$$\cos\left(-\frac{\pi}{4}\right) = \frac{\sqrt{2}}{2}$$