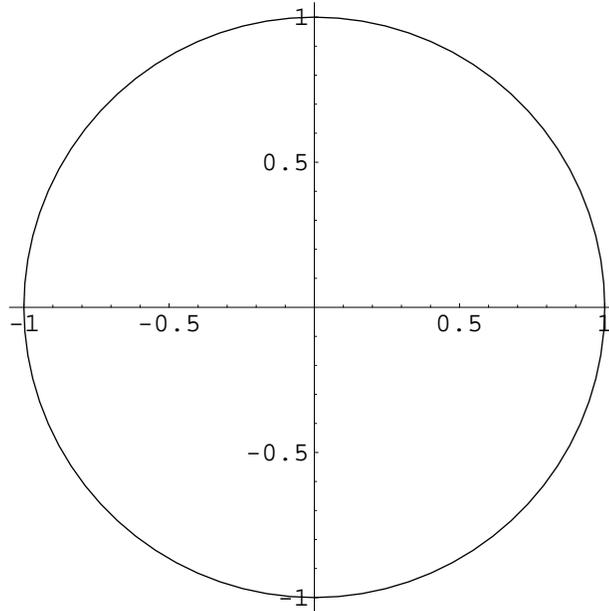




2. Suppose that an angle measuring  $\theta$  radians in standard position intersects the unit circle at the point  $(\frac{5}{13}, \frac{12}{13})$ . Label each of the following angles on the unit circle below. Use symmetry to help you.

- (a)  $\theta$
- (b)  $\pi - \theta$
- (c)  $\pi + \theta$
- (d)  $2\pi - \theta$
- (e)  $2\pi + \theta$
- (f)  $\frac{\pi}{2} - \theta$
- (g)  $\frac{\pi}{2} + \theta$



3. Given the angle  $\theta$  from the previous question, find each of the following trig values. Use symmetry to help you.

- (a)  $\sin \theta$
- (b)  $\cos(\pi - \theta)$
- (c)  $\tan(\pi + \theta)$
- (d)  $\sin(2\pi - \theta)$
- (e)  $\cos(2\pi + \theta)$
- (f)  $\tan(\frac{\pi}{2} - \theta)$
- (g)  $\sin(\frac{\pi}{2} + \theta)$