



List all eight facts of **Spoke 12** in unit circle. See *Page 2* for answers.

Angle in Degrees: _____

Angle in Radians: _____

Trig Function Values

$\sin \theta$: _____

$\cos \theta$: _____

$\tan \theta$: _____

$\csc \theta$: _____

$\sec \theta$: _____

$\cot \theta$: _____

Answers

Angle in Degrees: **240°**

Angle in Radians: $\frac{4\pi}{3}$

$$\sin \theta: -\frac{\sqrt{3}}{2}$$

$$\cos \theta: -\frac{1}{2}$$

$$\tan \theta: \sqrt{3}$$

$$\csc \theta: -\frac{2\sqrt{3}}{3}$$

$$\sec \theta: -2$$

$$\cot \theta: \frac{\sqrt{3}}{3}$$