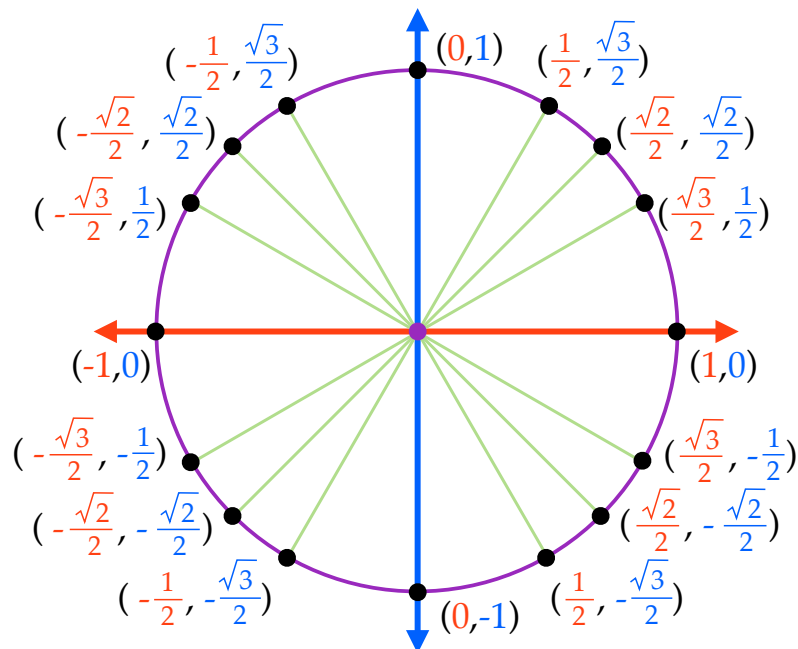
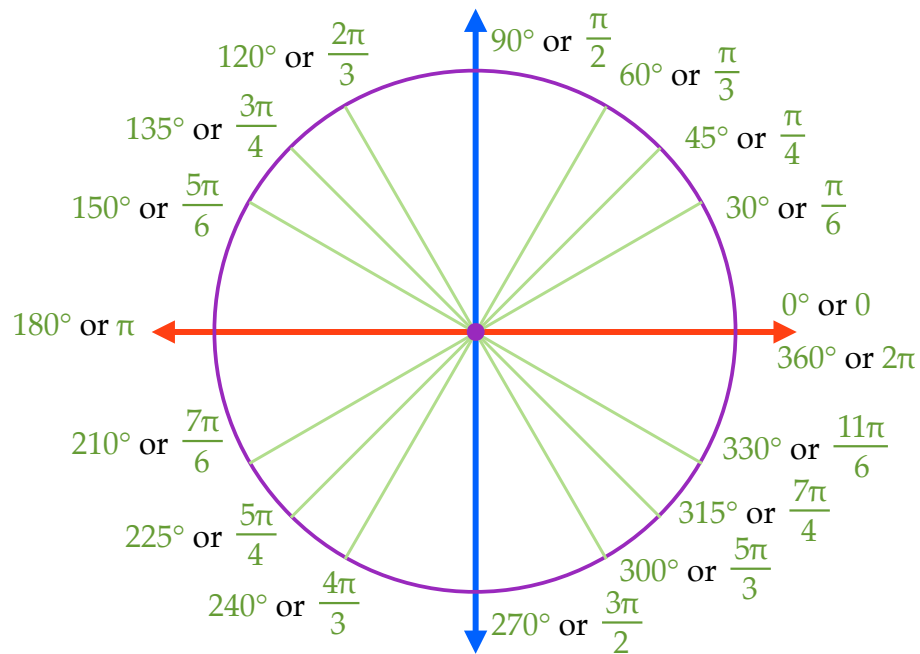




Let θ be an angle of the unit circle and (x,y) be the point on the unit circle corresponding to θ , then...

$$\sin \theta = y$$

$$\csc \theta = \frac{1}{y} \quad y \neq 0 \quad \text{reciprocal of } y$$

$$\cos \theta = x$$

$$\sec \theta = \frac{1}{x} \quad x \neq 0 \quad \text{reciprocal of } x$$

$$\tan \theta = \frac{y}{x} \quad x \neq 0$$

$$\cot \theta = \frac{x}{y} \quad y \neq 0 \quad \text{reciprocal of } \tan \theta$$

Evaluate the six trigonometric values of the following angles

$$\theta = \frac{\pi}{3} = 60^\circ$$

$$\sin \theta = y$$

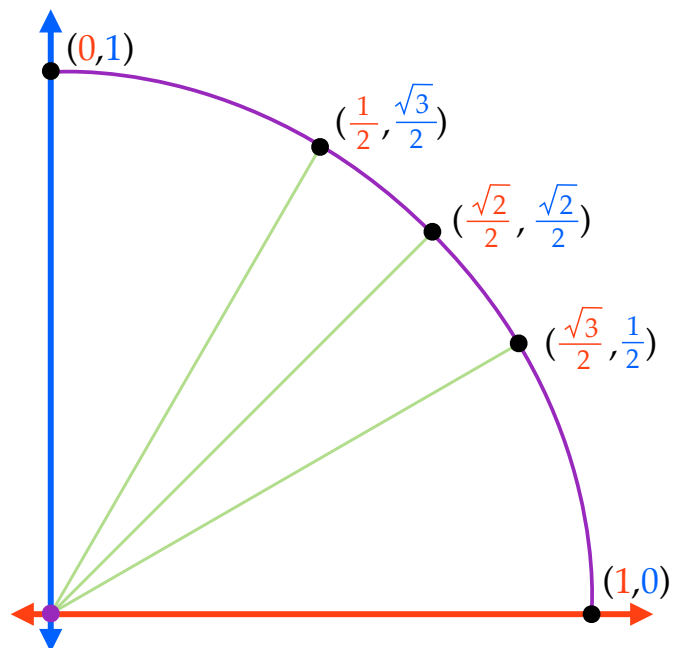
$$\csc \theta = \frac{1}{y}$$

$$\cos \theta = x$$

$$\sec \theta = \frac{1}{x}$$

$$\tan \theta = \frac{y}{x}$$

$$\cot \theta = \frac{x}{y}$$



Evaluate the six trigonometric values
of the following angles

$$\theta = \frac{3\pi}{4} = 135^\circ$$

$$\sin \theta = y$$

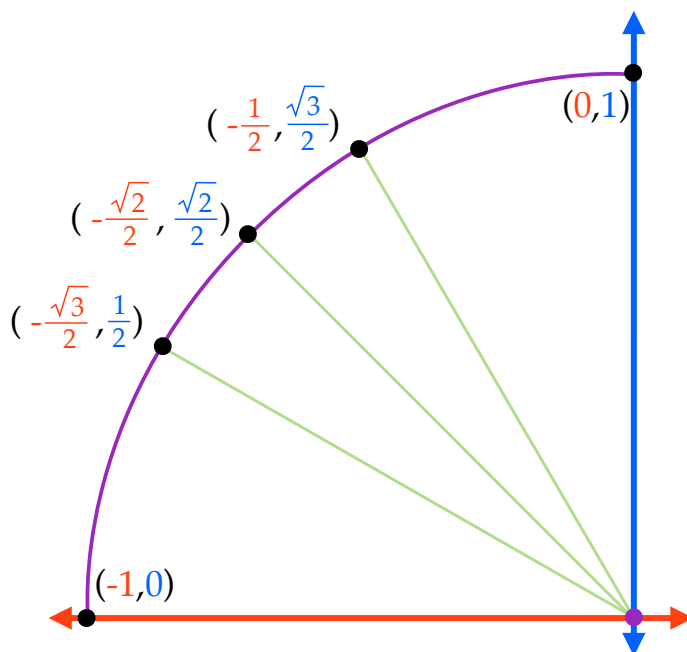
$$\csc \theta = \frac{1}{y}$$

$$\cos \theta = x$$

$$\sec \theta = \frac{1}{x}$$

$$\tan \theta = \frac{y}{x}$$

$$\cot \theta = \frac{x}{y}$$



Evaluate the six trigonometric values
of the following angles

$$\theta = \frac{11\pi}{6} = 330^\circ$$

$$\sin \theta = y$$

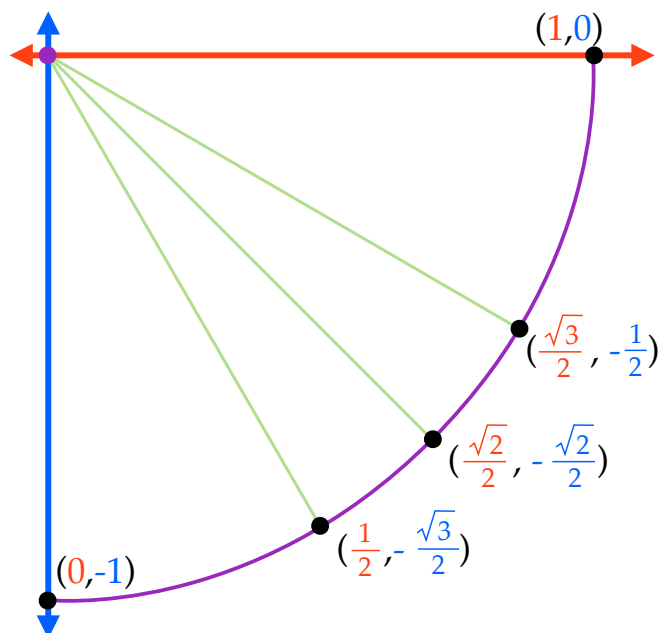
$$\csc \theta = \frac{1}{y}$$

$$\cos \theta = x$$

$$\sec \theta = \frac{1}{x}$$

$$\tan \theta = \frac{y}{x}$$

$$\cot \theta = \frac{x}{y}$$



Evaluate the six trigonometric values
of the following angles

$$\theta = \frac{4\pi}{3} = 240^\circ$$

$$\sin \theta = y$$

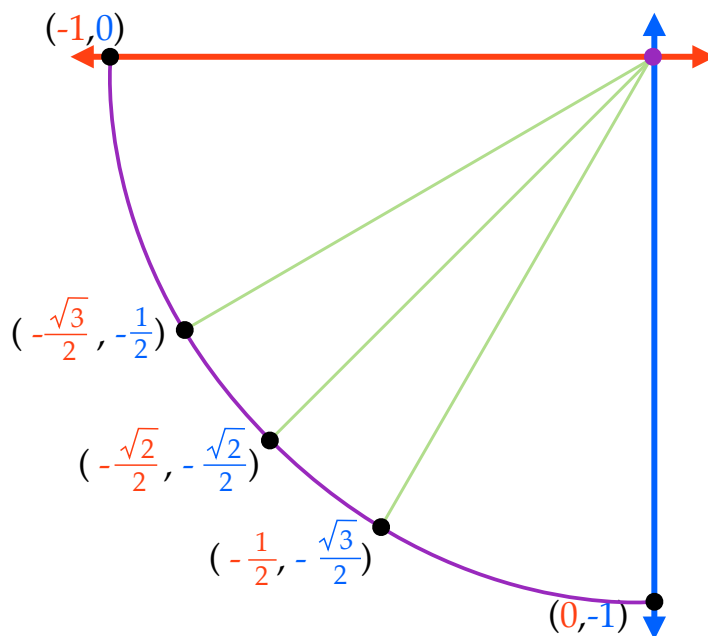
$$\csc \theta = \frac{1}{y}$$

$$\cos \theta = x$$

$$\sec \theta = \frac{1}{x}$$

$$\tan \theta = \frac{y}{x}$$

$$\cot \theta = \frac{x}{y}$$



Evaluate the six trigonometric values
of the following angles

$$\theta = -\frac{4\pi}{3} = -240^\circ$$

$$\sin \theta = y$$

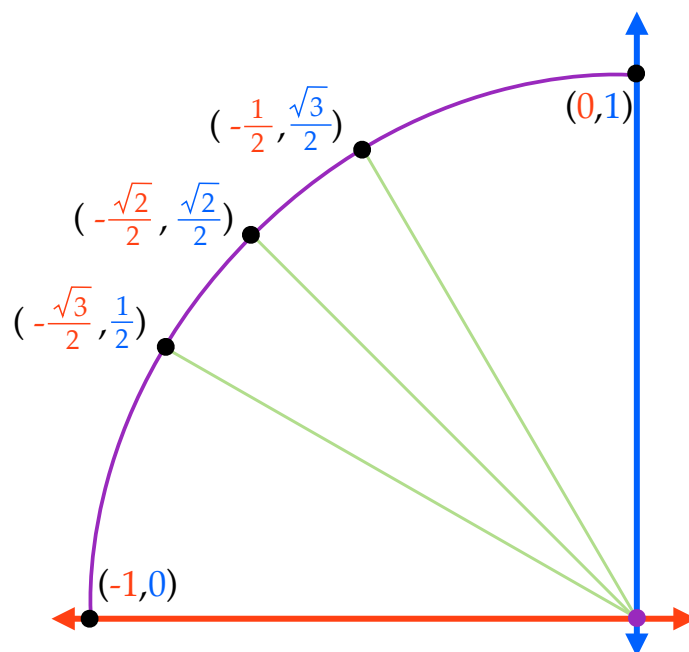
$$\csc \theta = \frac{1}{y}$$

$$\cos \theta = x$$

$$\sec \theta = \frac{1}{x}$$

$$\tan \theta = \frac{y}{x}$$

$$\cot \theta = \frac{x}{y}$$



Let θ be an angle of the unit circle and (x,y) be the point on the unit circle corresponding to θ , then...

$$\sin \theta = y$$

$$\csc \theta = \frac{1}{y} \quad y \neq 0 \quad \text{reciprocal of } y$$

$$\cos \theta = x$$

$$\sec \theta = \frac{1}{x} \quad x \neq 0 \quad \text{reciprocal of } x$$

$$\tan \theta = \frac{y}{x} \quad x \neq 0$$

$$\cot \theta = \frac{x}{y} \quad y \neq 0 \quad \text{reciprocal of } \tan \theta$$