

Precalculus

4-02 Unit Circle

Unit circle

$$r = 1$$

$$x^2 + y^2 = 1$$

Trigonometric Functions (Unit circle)

$$\sin t = \underline{\hspace{2cm}}$$

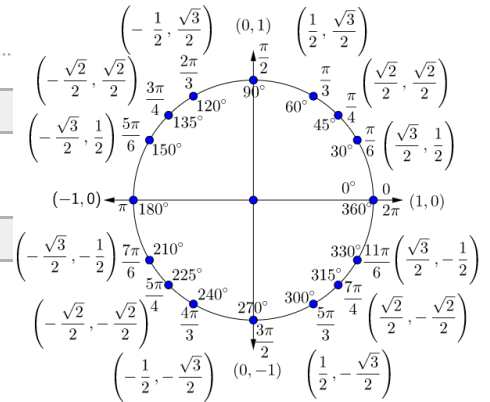
$$\csc t = \underline{\hspace{2cm}}$$

$$\cos t = \underline{\hspace{2cm}}$$

$$\sec t = \underline{\hspace{2cm}}$$

$$\tan t = \underline{\hspace{2cm}}$$

$$\cot t = \underline{\hspace{2cm}}$$



Evaluate 6 trig functions of $t = \frac{2\pi}{3}$

Evaluate

$$\sec \frac{4\pi}{3}$$

$$\sin 2\pi$$

$$\tan \frac{\pi}{2}$$

$$\csc \frac{11\pi}{6}$$

$$\cot \frac{3\pi}{4}$$

$$\cos 0$$

Evaluate

$$\sin \left(-\frac{2\pi}{3} \right)$$

$$\cos \frac{9\pi}{3}$$

$$\sin \left(-\frac{11\pi}{2} \right)$$