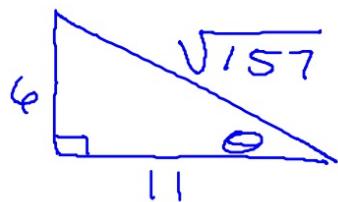
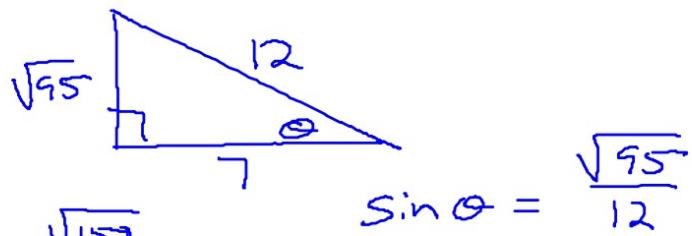


Assume that θ is an acute angle in a right triangle satisfying the given conditions. Evaluate the remaining trigonometric functions.

$$\tan \theta = \frac{6}{11}$$



$$\sec \theta = \frac{12}{7} \quad = \cos \theta = \frac{7}{12}$$



$$\sin \theta = \frac{6}{\sqrt{157}}$$

$$\csc \theta = \frac{\sqrt{157}}{6}$$

$$\sin \theta = \frac{\sqrt{95}}{12}$$

$$\cos \theta = \frac{11}{\sqrt{157}}$$

$$\sec \theta = \frac{\sqrt{157}}{11}$$

$$\tan \theta = \frac{\sqrt{95}}{7}$$

$$\tan \theta = \frac{6}{11}$$

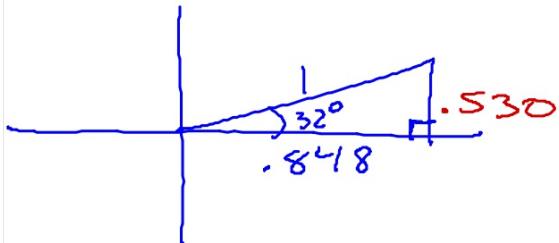
$$\cot \theta = \frac{11}{6}$$

$$\csc \theta = \frac{12}{\sqrt{95}}$$

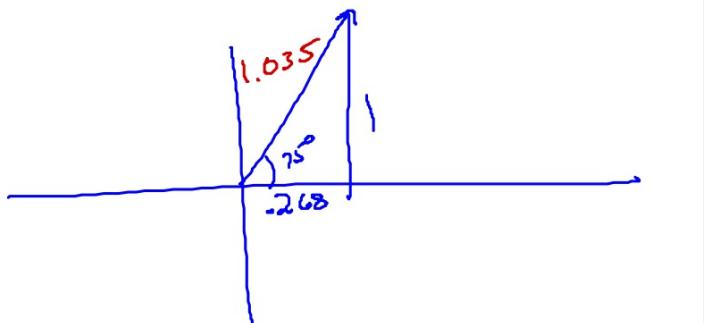
$$\cot \theta = \frac{7}{\sqrt{95}}$$

Evaluate using a calculator. Make sure your calculator is in the correct mode. Give answers to 3 decimal places and then draw the triangle that represents the situation.

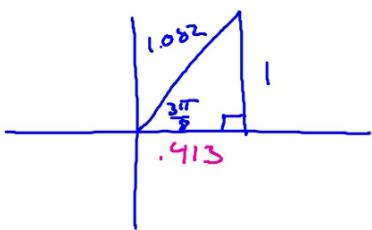
$$\cos 32^\circ = \frac{.848}{1}$$



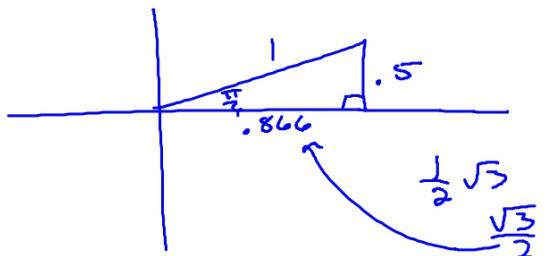
$$\cot 75^\circ = 0.268$$

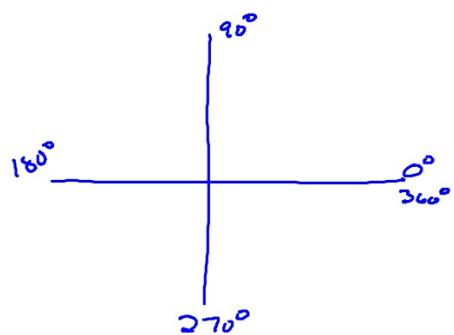


$$\csc \frac{3\pi}{8} = 1.082$$



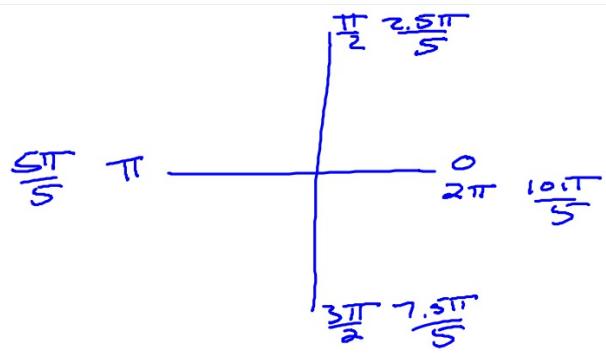
$$\sin \frac{\pi}{6} = .5 = \frac{1}{2}$$





$$\text{Degree} = \left(\frac{\pi}{180} \right)$$

$\text{Deg} \rightarrow \text{Radians}$



$$\text{Rad} \rightarrow \text{Degree}$$

$$\text{Radian} \left(\frac{180}{\pi} \right)$$