5-2 Trig Functions

Objectives:

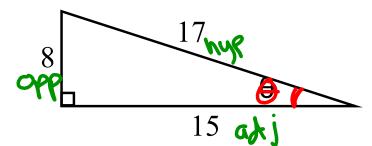
- -I can find the trigonometric functions of acute angles.
- -I can identify reciprocal functions

Trig Functions

$$\sin(A) = \frac{opp}{hyp} = \cos A = \frac{hyp}{opp} = \cos A$$

$$\cos A = \frac{adj}{hyp}. = \frac{\log A}{\log A} = \frac{hyp}{adj}.$$

$$\tan A = \frac{opp}{adj} = \cot A = \frac{adj}{opp} = \cot A$$

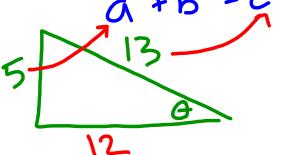


Find all six trig ratios for the given triangle:

$$Sin\theta = \frac{8}{17}$$
 $CSC\Theta =$

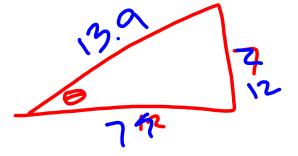
Given the following trig function, find the remaining 5 functions:

$$\csc\theta = \frac{13}{5} \rightarrow \text{OPP}$$



Given the following trig function, find the remaining 5 functions:

$$\cot\theta = \frac{7}{12}$$



Using your calculator, find:

$$\tan 8^\circ = 0.14 = \frac{99}{\text{adj}}$$

$$\cos 18.15^{\circ} =$$

$$\cot \frac{\pi}{12} = \frac{1}{12}$$

$$\tan 5.25 = -\frac{7}{12}$$

$$\sec \frac{\pi}{6} =$$

