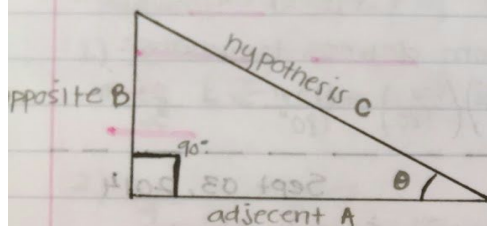


4.2 Trigonometric Ratios:

Sept. 05, 2014



$$\sin \theta = \frac{\text{opp}}{\text{hyp}}$$

$$\text{cosecant } \theta = \frac{\text{hyp}}{\text{opp}}$$

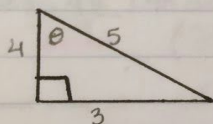
$$\cos \theta = \frac{\text{adj}}{\text{hyp}}$$

$$\secant \theta = \frac{\text{hyp}}{\text{adj}}$$

$$\tan \theta = \frac{\text{opp}}{\text{adj}}$$

$$\text{cotangent } \theta = \frac{\text{adj}}{\text{opp}}$$

1.) Find the values of all six trig functions.



$$\sin \theta = \frac{3}{5}$$

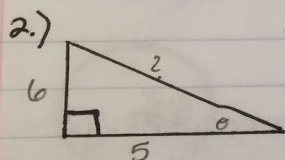
$$\csc \theta = \frac{5}{3}$$

$$\cos \theta = \frac{4}{5}$$

$$\sec \theta = \frac{5}{4}$$

$$\tan \theta = \frac{3}{4}$$

$$\cot \theta = \frac{4}{3}$$



$$\sin \theta = \frac{6}{13}$$

$$\csc \theta = \frac{13}{6}$$

$$\cos \theta = \frac{5}{13}$$

$$\sec \theta = \frac{13}{5}$$

$$\tan \theta = \frac{6}{5}$$

$$\cot \theta = \frac{5}{6}$$

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