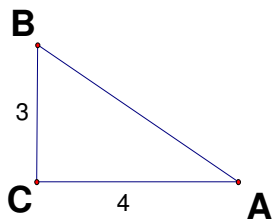


Consider the following triangle. Find the missing value and write the six trig ratios.



$$\cos A =$$

$$\cos B =$$

$$\sin A =$$

$$\sin B =$$

$$\tan A =$$

$$\tan B =$$

$$\csc A =$$

$$\csc B =$$

$$\sec A =$$

$$\sec B =$$

$$\cot A =$$

$$\cot B =$$

3. If $\csc \theta = \frac{\sqrt{7}}{2}$, find $\tan \theta$.

4. If $\sin \theta = \frac{1}{2}$, find $\cot \theta$.

Solve the following problems.

1. If $\tan \theta = \frac{2}{3}$, find $\cot \theta$.

2. If $\sec \theta = \frac{5}{2}$, find $\sin \theta$.