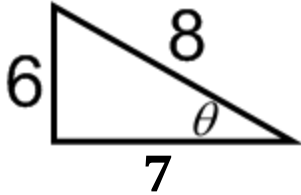


Write out the ratios for sine, cosine, and tangent from the angle  $\theta$ .

1.

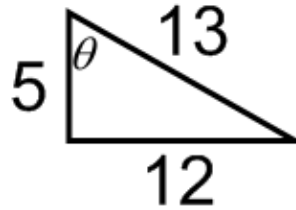


$\sin q =$

$\cos q =$

$\tan q =$

2.



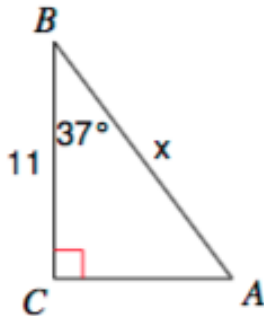
$\sin q =$

$\cos q =$

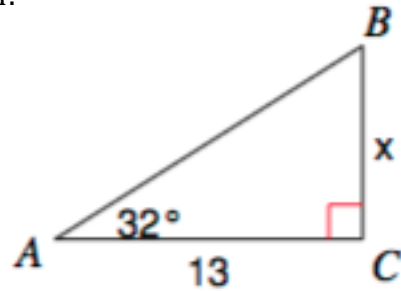
$\tan q =$

Use a trig ratio to solve for the missing side length

3.

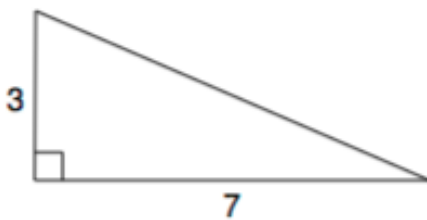


4.

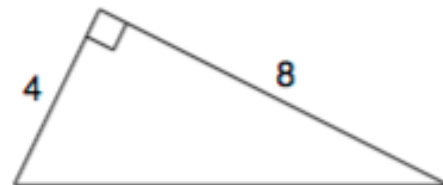


Use Pythagorean Theorem to solve for the missing side

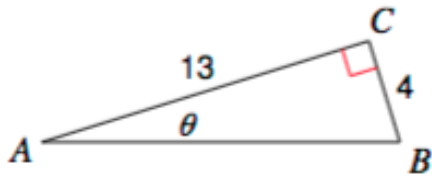
5.



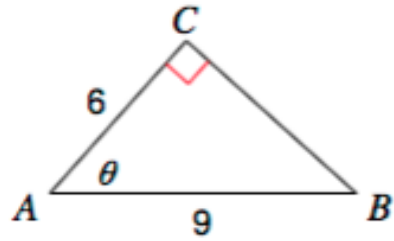
6.



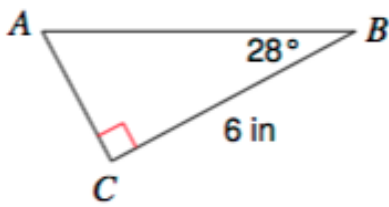
Use inverse trig ratios to solve for the missing angle  
7.



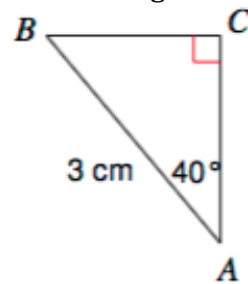
8.



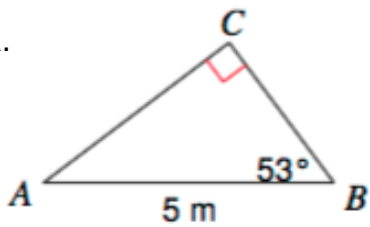
Solve the following triangles by finding all the missing sides and angles  
9.



10.



11.



12.

