

11.2 Cosine and Tangent

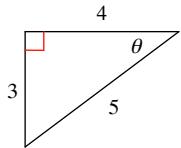
Date _____ Period _____

- 1) What does a trig ratio represent? 2) In what situation do you use inverse trig?

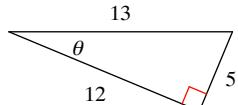
- 3) Describe when you can use the Pythagorean Theorem to solve for a missing side vs. using a trig ratio to solve for a missing side.

Find the value of the trig function indicated.

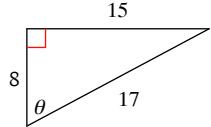
4) $\sin \theta$



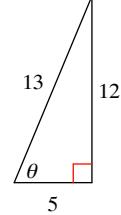
5) $\sin \theta$



6) $\tan \theta$



7) $\cos \theta$



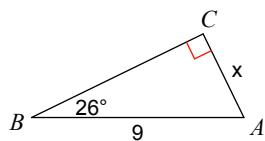
8) Find $\tan \theta$ if $\sin \theta = \frac{4}{5}$

9) Find $\cos \theta$ if $\tan \theta = \frac{24}{7}$

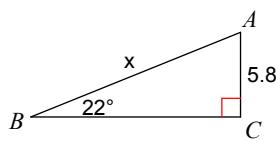
10) Find $\tan A$ if $c = 25$, $b = 7$

Find the measure of each side indicated. Round to the nearest hundredth.

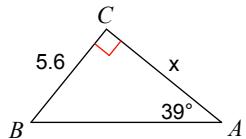
11)



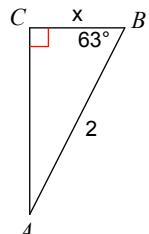
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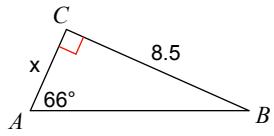
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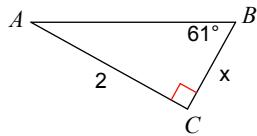
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15)

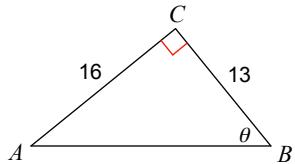


16)

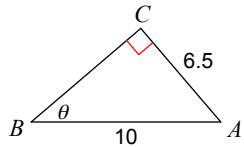


Find the measure of each angle indicated. Round to the nearest hundredth.

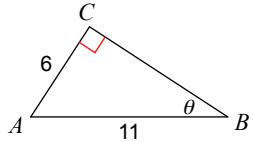
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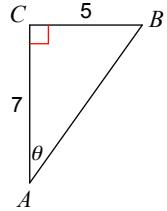
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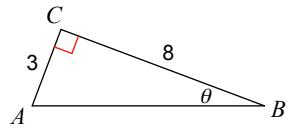
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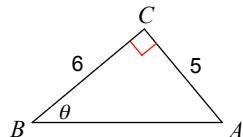
20)



21)

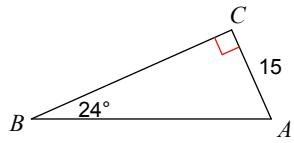


22)



Solve each triangle. Round answers to the nearest hundredth.

23)



24)

