

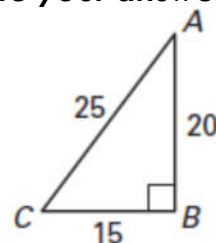
SOH CAH TOA

Review: Use the diagram at the right to find the trigonometric ratio. Write your answer as a simplified fraction.

1. $\sin A =$

2. $\cos A =$

3. $\tan A =$



$\angle A$ is an acute angle. Use a calculator to approximate the measure of $\angle A$ to the nearest tenth.

4. $\tan A = 3$

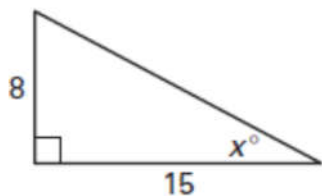
5. $\tan A = 2.5$

6. $\sin A = 0.65$

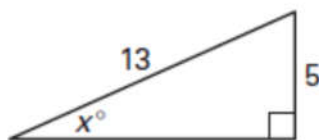
7. $\cos A = 0.28$

Find the value of x . Round your answer to the nearest tenth.

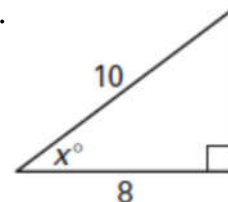
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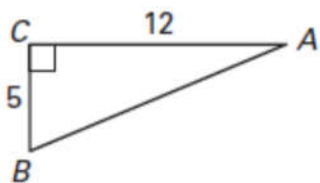


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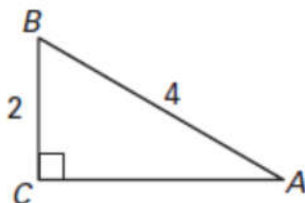


Find the $m \angle A$ to the nearest tenth of the degree.

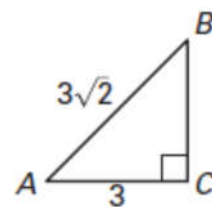
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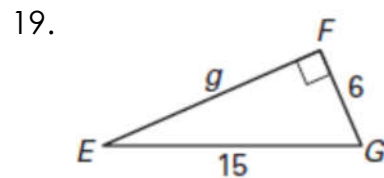
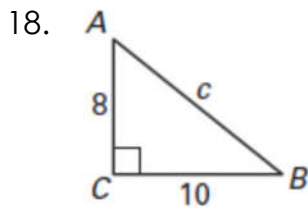
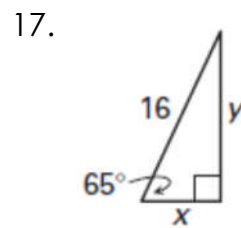
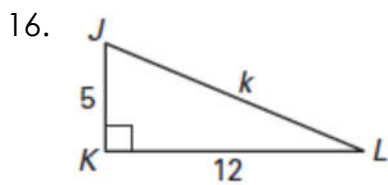
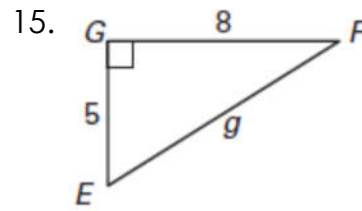
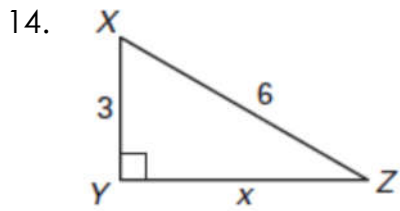
12.



13.



Solve the following right triangles. (FIND ALL SIDES AND ALL ANGLES!)



20. A 20 foot ladder leans up against a house as shown. Safety warnings for the ladder say not to use the ladder at an angle of greater than 75° with the ground. Is the ladder angle safe?

