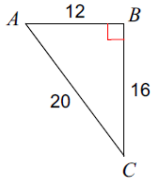


Math 2 Unit 7 Worksheet 3
Trigonometry Ratios

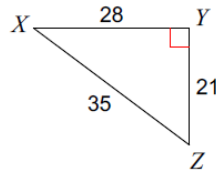
Name: _____
 Date: _____ Per: _____

[1-3] Find the value of each trigonometric ratio in reduced fraction form.

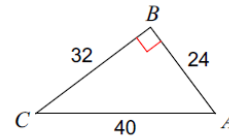
1. $\tan A$



2. $\sin X$

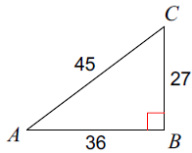


3. $\cos C$

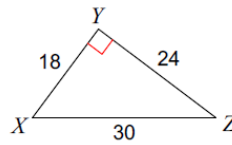


[4-6] Find the value of each trigonometric ratio in decimal form. Round to the nearest tenth.

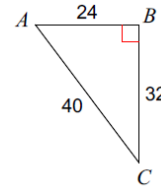
4. $\cos A$



5. $\sin X$

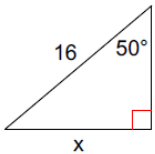


6. $\tan A$

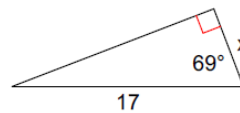


[7-20] Find the missing side. Round to the nearest tenth.

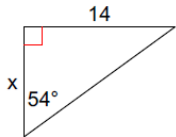
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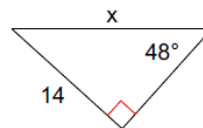
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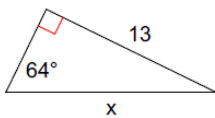
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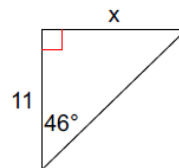
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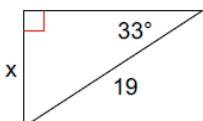
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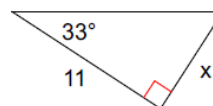
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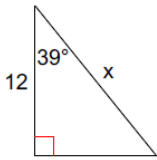
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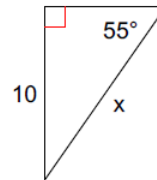
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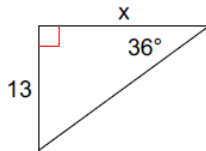
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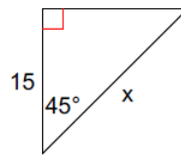
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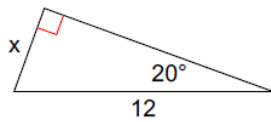
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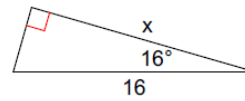
18.



19.



20.



[21-22] Sketch the figure for each problem and solve for the missing distance.

21. The ramp on the back of a moving van is 3 feet high and rises at an angle of 25° . How long is the ramp? **Round to the nearest foot.**

22. A rope is attached to the top of a tent, and is staked into the ground. The rope is 4.5 feet long. The angle formed by the rope and the ground is 46° . How far from the center of the base of the tent is the rope stake? **Round to the nearest tenth of a foot.**

