

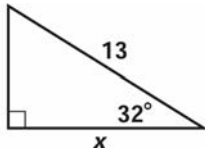
### Lesson 3 Worksheet 1

#### Identifying the trig ratio and setting up the equation

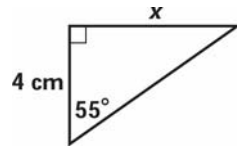
Part I: Look at the given information and the variable in each triangle below. Determine which trig ratio applies to the given information.

Part II: After completing part I, go back to every triangle and write an equation with the given information.

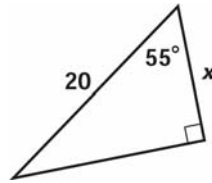
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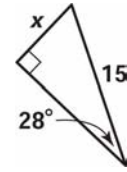
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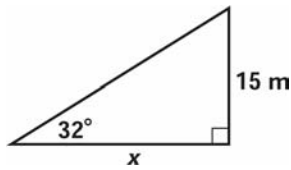
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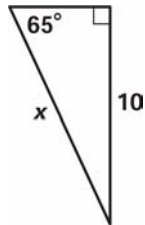
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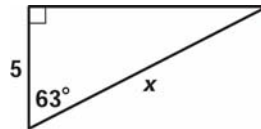
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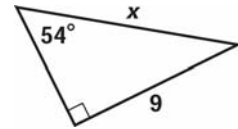
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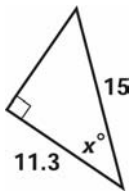
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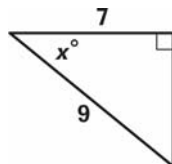
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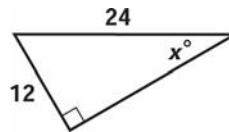
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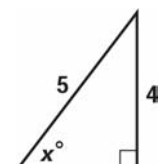
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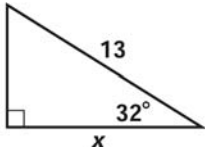


### Lesson 4 Worksheet 1

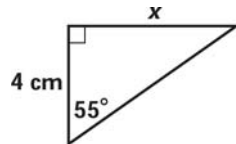
#### Using trig ratios to solve for a side in a right triangle

Solve for  $x$  in each triangle below. Use what you learned in lesson 3 to first identify the ratio, then write the equation, and then solve the equation. Make sure your calculator is in degree mode. Round your answers to 2 decimal places.

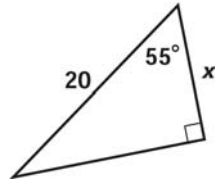
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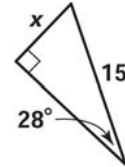
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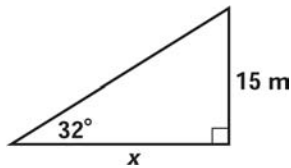
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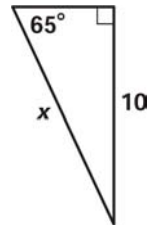
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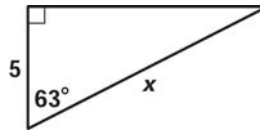
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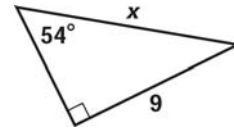
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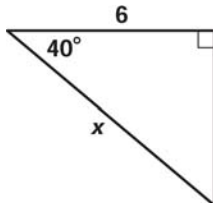
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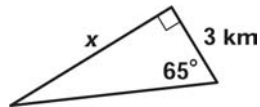
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