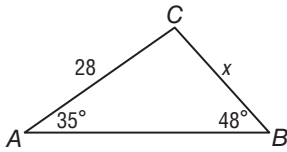


# 8-6 Skills Practice

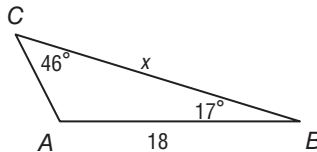
## The Law of Sines and Law of Cosines

Find  $x$ . Round angle measures to the nearest degree and side lengths to the nearest tenth.

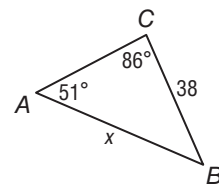
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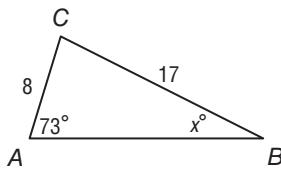
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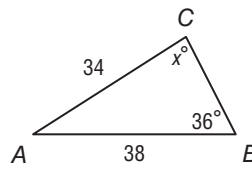
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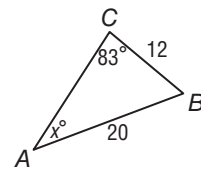
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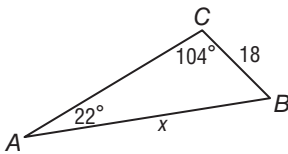
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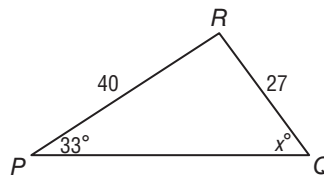
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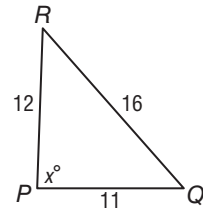
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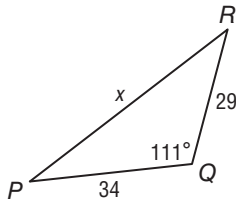
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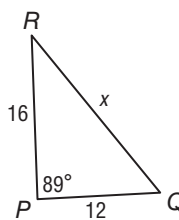
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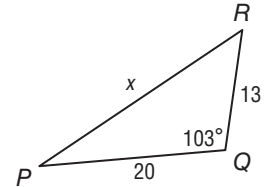
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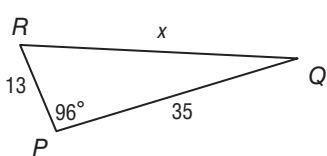
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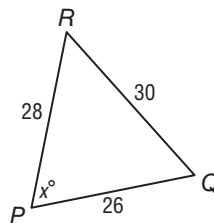
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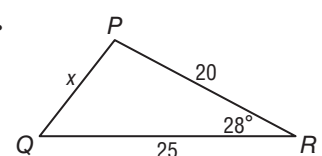
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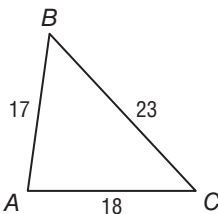
14.



15.



16. Solve the triangle. Round angle measures to the nearest degree.

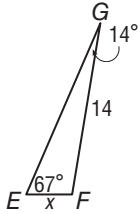


# 8-6 Practice

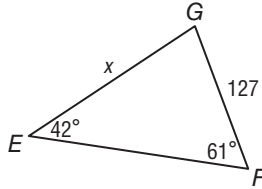
## The Law of Sines and Law of Cosines

Find  $x$ . Round angle measures to the nearest degree and side lengths to the nearest tenth.

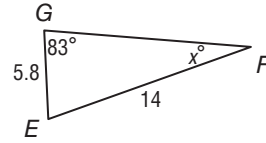
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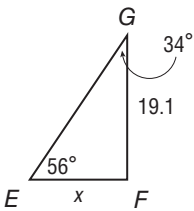
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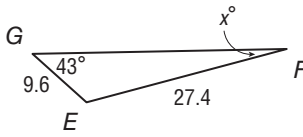
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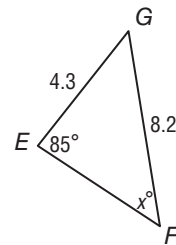
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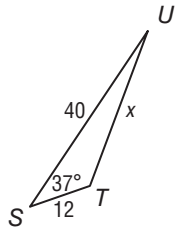
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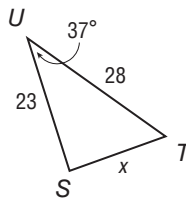
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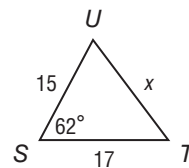
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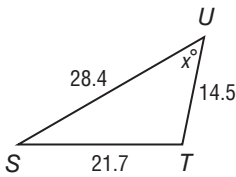
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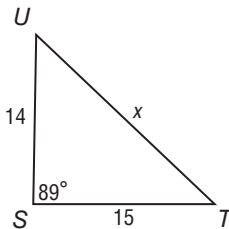
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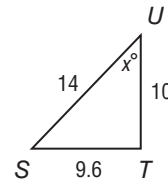
10.



11.



12.



**13. INDIRECT MEASUREMENT** To find the distance from the edge of the lake to the tree on the island in the lake, Hannah set up a triangular configuration as shown in the diagram. The distance from location A to location B is 85 meters. The measures of the angles at A and B are  $51^\circ$  and  $83^\circ$ , respectively. What is the distance from the edge of the lake at B to the tree on the island at C?

