

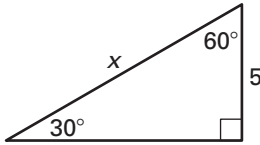
Practice A

For use with pages 548–555

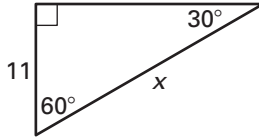
- In a $30^\circ-60^\circ-90^\circ$ triangle, the hypotenuse is how many times as long as the shorter leg?
- In a $30^\circ-60^\circ-90^\circ$ triangle, how many times longer than the shorter leg is the longer leg?
- Write the $30^\circ-60^\circ-90^\circ$ Triangle Theorem in words.

Find the length of the hypotenuse.

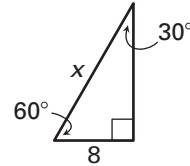
4.



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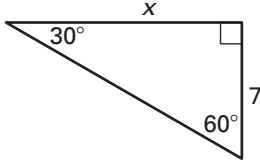


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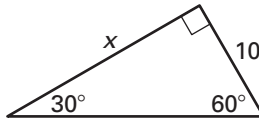


Find the length of the longer leg of the triangle. Write your answer in radical form.

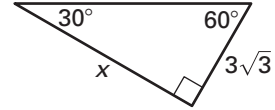
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8.

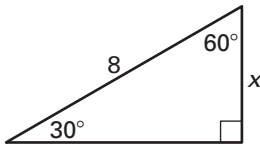


9.

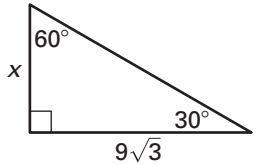


Find the length of the shorter leg of the triangle. Round your answer to the nearest tenth, if necessary.

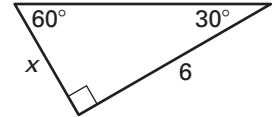
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11.

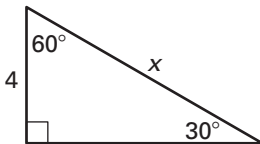


12.

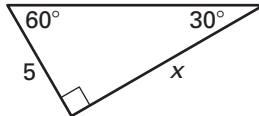


Find the value of x. Write your answer in radical form.

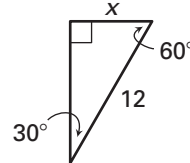
13.



14.



15.



A jogging path starts at point A, turns at point B, turns at point C and stops at point A, as shown.

- If $AB = 2$ miles, find BC and CA . Round your answers to the nearest tenth of a mile.
- Find the total length of the jogging path. Round your answer to the nearest tenth of a mile.

