

Practice A

For use with pages 542–547

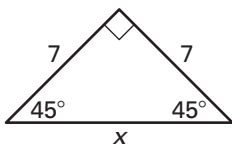
Complete the statement.

- The number of congruent sides in a $45^\circ-45^\circ-90^\circ$ triangle is ? .
- In a $45^\circ-45^\circ-90^\circ$ triangle, the length of the hypotenuse is the length of a ? times $\sqrt{2}$.

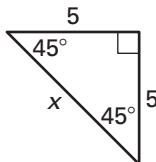
Find the length of the hypotenuse in the $45^\circ-45^\circ-90^\circ$ triangle.

Write your answer in radical form.

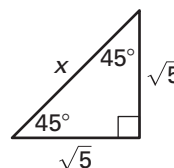
3.



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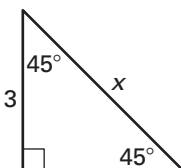


5.

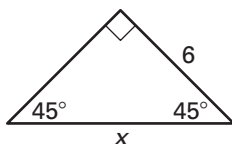


Find the value of x. Write your answer in radical form.

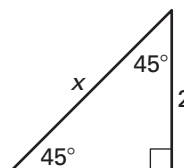
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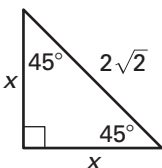


8.

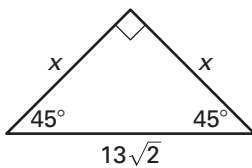


Find the length of a leg in the $45^\circ-45^\circ-90^\circ$ triangle.

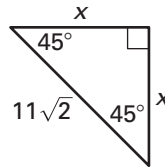
9.



10.

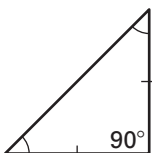


11.

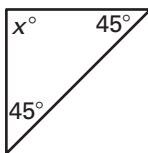


Determine whether there is enough information to conclude that the triangle is a $45^\circ-45^\circ-90^\circ$ triangle.

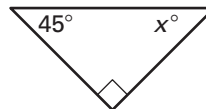
12.



13.



14.



15. You want to enclose a triangular vegetable garden with fencing. How many feet of fencing do you need? Round your answer to the nearest tenth.

