

Name _____

Date _____

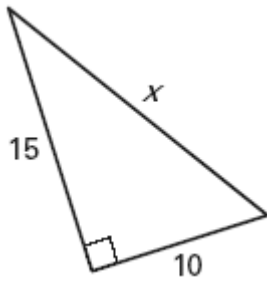
LESSON 7.1

Practice C

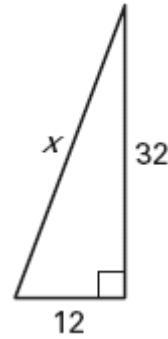
For use with pages 432–439

Find the length of the hypotenuse of the right triangle. Write your answer in simplest radical form.

1.

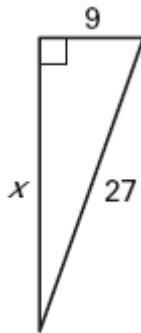


2.

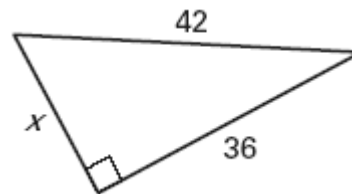


Find the unknown leg length x . Write your answer in simplest radical form

3.

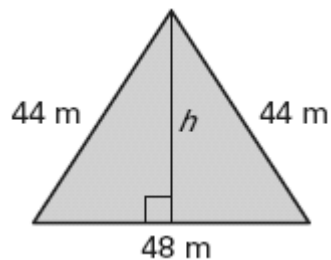


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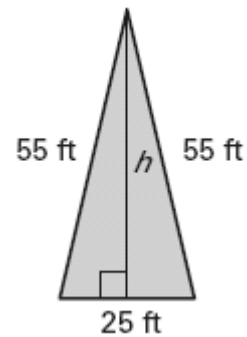


Find the area of the isosceles triangle. Write your answer in simplest radical form.

5.



6.



The given lengths are two sides of a right triangle. All three side lengths of the triangle are integers and together form a Pythagorean triple. Find the length of the third side and tell whether it is a leg or the hypotenuse.

7. 24 and 32

8. 24 and 45

9. 72 and 78

10. 72 and 153

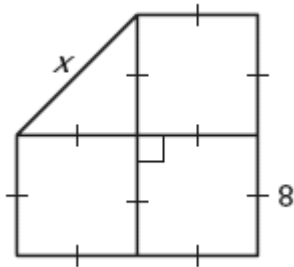
Find the area of a right triangle with given leg l and hypotenuse h . Round decimal answers to the nearest tenth.

11. $l = 18$ in., $h = 32$ in.

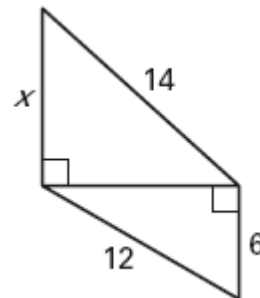
12. $l = 30$ m, $h = 60$ m

Find the unknown side length x . Write your answer in simplest radical form.

13.



14.



15.

