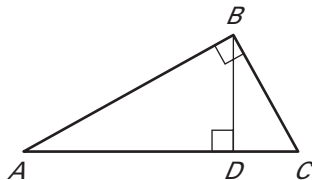
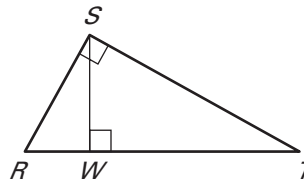


LESSON
7.3
Practice A
For use with pages 448–456
Identify the three similar right triangles in the given diagram.

1.



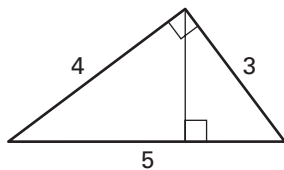
2.


Use the above diagrams.

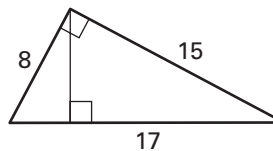
3. Draw and label the vertices of the three similar right triangles from Exercise 1 so that the corresponding sides and angles have the same orientation.
4. Draw and label the vertices of the three similar right triangles from Exercise 2 so that the corresponding sides and angles have the same orientation.

Find the length of the altitude to the hypotenuse. Round decimal answers to the nearest tenth.

5.



6.

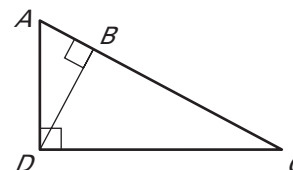


7. **Multiple Choice** Use the diagram at the right.
Which proportion is true?

A. $\frac{AB}{AD} = \frac{AD}{DC}$

B. $\frac{AC}{AB} = \frac{AB}{DB}$

C. $\frac{AB}{DB} = \frac{DB}{BC}$



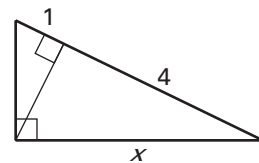
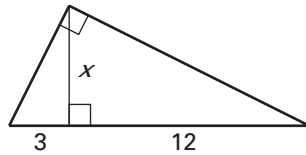
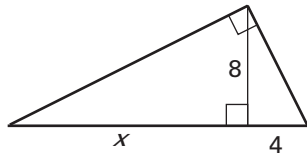
Name _____

Date _____

LESSON
7.3

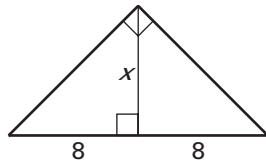
Practice A *continued*
For use with pages 448–456

Find the value of the variable

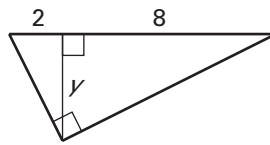


Find the value of the variable.

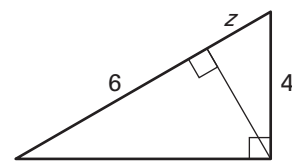
11.



12.



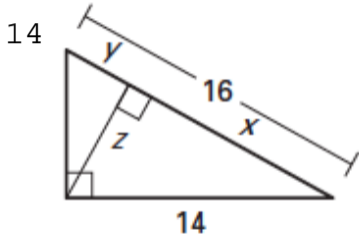
13.



Tell whether the triangle is a right triangle. If so, find the length of the altitude to the hypotenuse. Round decimal answers to the nearest tenth.

14. Ignore those instructions.

Find the value of the variables.



9.5

