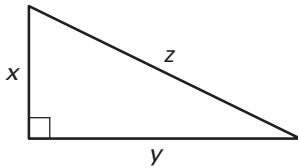


LESSON  
11.4**Practice A**

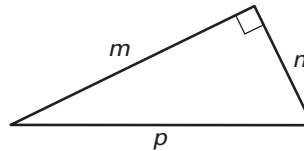
For use with pages 736–742

**Name the legs and hypotenuse of the right triangle.**

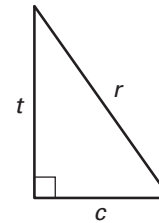
1.



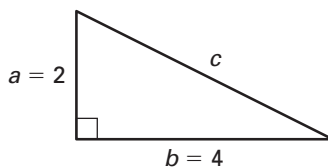
2.



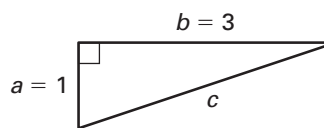
3.

**Let  $a$  and  $b$  represent the lengths of the legs of a right triangle, and let  $c$  represent the length of the hypotenuse. Find the unknown length.**

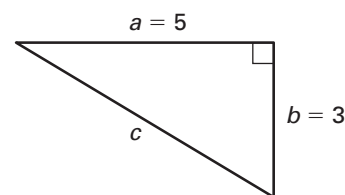
4.



5.



6.



7.  $a = 6, b = 4$

8.  $a = 3, b = 7$

9.  $a = 5, b = 5$

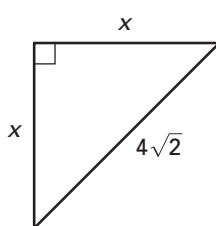
10.  $a = 9, c = 12$

11.  $a = 8, b = 6$

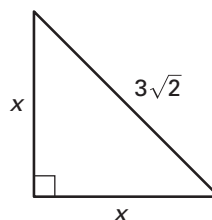
12.  $b = 2, c = 10$

**Find the unknown lengths.**

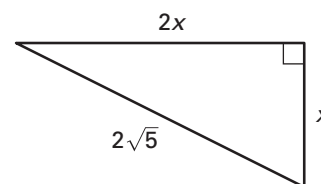
13.



14.



15.

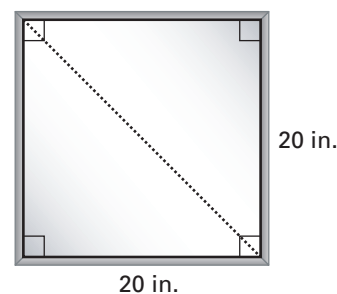
**Tell whether the triangle with the given side lengths is a right triangle.**

16. 3, 3, 9

17. 12, 16, 20

18. 6, 9, 12

19. **Window** A window in a house is in the shape of a square. The side length of the window is 20 inches. What is the length of the diagonal from one corner of the window to the opposite corner? Round your answer to the nearest tenth.



20. **Table Top Soccer** The top of a soccer table is in the shape of a rectangle. If the tabletop measures 60 inches by 42 inches, what is the length of the diagonal from one corner of the table to the opposite corner? Round your answer to the nearest tenth.

