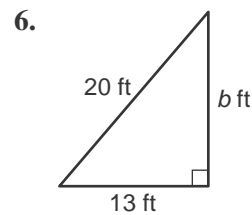
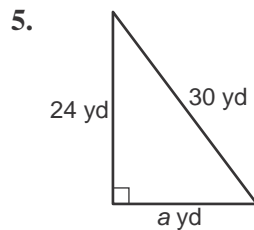
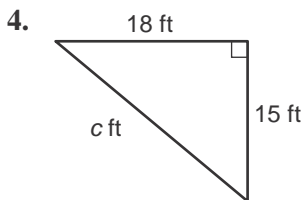
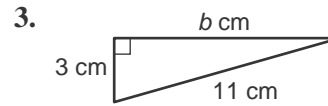
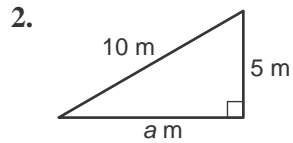
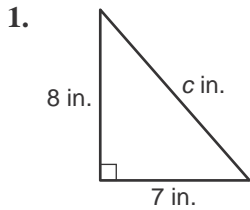


Lesson 5 Skills Practice

The Pythagorean Theorem

Write an equation you could use to find the length of the missing side of each right triangle. Then find the missing length. Round to the nearest tenth if necessary.



7. $a = 1$ m, $b = 3$ m

8. $a = 2$ in., $c = 5$ in.

9. $b = 4$ ft, $c = 7$ ft

10. $a = 4$ km, $b = 9$ km

11. $a = 10$ yd, $c = 18$ yd

12. $b = 18$ ft, $c = 20$ ft

13. $a = 5$ yd, $b = 11$ yd

14. $a = 12$ cm, $c = 16$ cm

15. $b = 22$ m, $c = 25$ m

16. $a = 21$ ft, $b = 72$ ft

17. $a = 36$ yd, $c = 60$ yd

18. $b = 25$ mm, $c = 65$ mm

Determine whether each triangle with sides of given lengths is a right triangle. Justify your answer.

19. 10 yd, 15 yd, 20 yd

20. 21 ft, 28 ft, 35 ft

21. 7 cm, 14 cm, 16 cm

22. 40 m, 42 m, 58 m

23. 24 in., 32 in., 38 in.

24. 15 mm, 18 mm, 24 mm