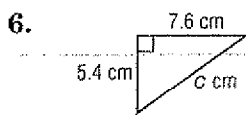
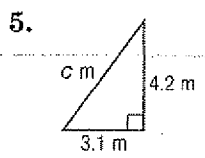
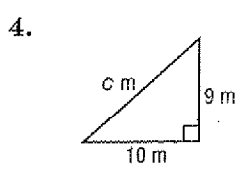
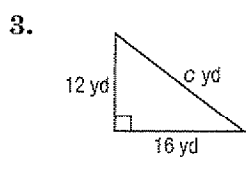
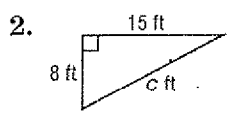
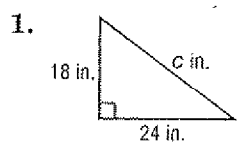


10-4 Skills Practice

The Pythagorean Theorem

Find the length of the hypotenuse of each right triangle. Round to the nearest tenth, if necessary.



If c is the measure of the hypotenuse, find each missing measure. Round to the nearest tenth, if necessary.

- | | |
|-----------------------------------|-----------------------------------|
| 7. $a = ?$, $b = 24$, $c = 26$ | 8. $a = 16$, $b = ?$, $c = 34$ |
| 9. $a = 24$, $b = ?$, $c = 40$ | 10. $a = 5$, $b = ?$, $c = 7$ |
| 11. $a = ?$, $b = 32$, $c = 39$ | 12. $a = 21$, $b = ?$, $c = 48$ |
| 13. $a = 18$, $b = 29$, $c = ?$ | 14. $a = ?$, $b = 36$, $c = 49$ |
| 15. $a = 8$, $b = ?$, $c = 12$ | 16. $a = 14$, $b = 21$, $c = ?$ |
| 17. $a = ?$, $b = 30$, $c = 40$ | 18. $a = 4$, $b = ?$, $c = 7$ |
| 19. $a = 13$, $b = 18$, $c = ?$ | 20. $a = ?$, $b = 55$, $c = 75$ |

The lengths of three sides of a triangle are given. Determine whether each triangle is a right triangle.

- | | |
|--------------------|-------------------------|
| 21. 14 m, 5 m, 4 m | 22. 3 in., 4 in., 5 in. |
|--------------------|-------------------------|

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