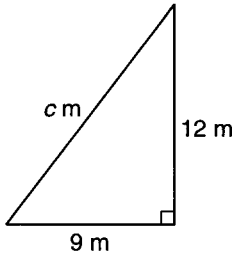


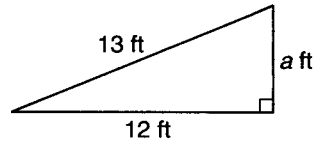
The Pythagorean Theorem

If c is the measure of the hypotenuse and a and b are the measures of the legs, find each missing measure. Round to the nearest tenth if necessary.

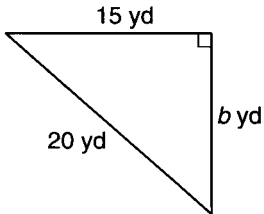
1.



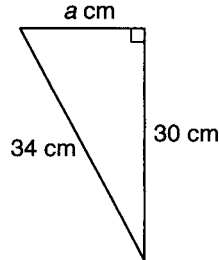
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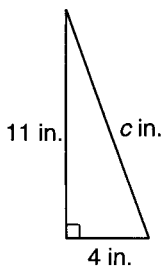
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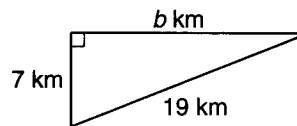
4.



5.



6.



7. $a = 8, b = 10, c = ?$

8. $b = 20, c = 22, a = ?$

9. $c = 26, a = 10, b = ?$

10. $a = 21, c = 35, b = ?$

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

11. 12 m, 16 m, 20 m

12. 8 cm, 12 cm, 14 cm

13. 6 in., 15 in., 16 in.

14. 7 ft, 24 ft, 25 ft