

Name _____ Class _____ Date _____

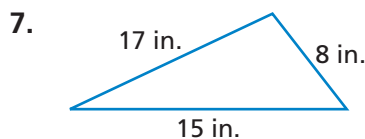
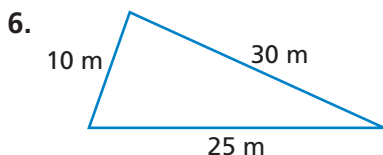
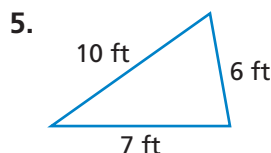
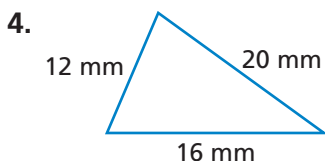
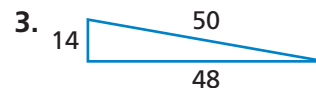
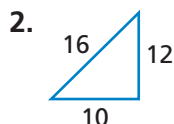
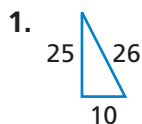
Practice It!



MA.8.G.2.4 Validate and apply Pythagorean Theorem to find distances in real world situations or between points in the coordinate plane.

Applying the Pythagorean Theorem and Its Converse

Determine whether each triangle is a right triangle.



Tell whether the given side lengths form a right triangle.

8. 7, 10, 12 _____

9. 15, 20, 25 _____

10. 9, 11, 14 _____

11. 5, 7, 12 _____

12. A basketball court is 94 feet long and 50 feet wide. What is the length of a diagonal of the basketball court, to the nearest tenth? _____

Find the distance between each pair of points.

13. (3, 6) and (1, 2) _____

14. (-5, -2) and (-8, 3) _____

15. (-5, 3) and (5, 5) _____

16. (3, 4) and (-4, -1) _____