

# Additional Practice

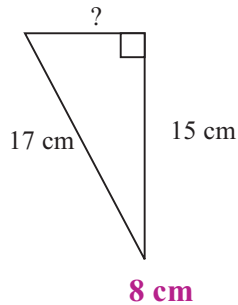
## 8.7

NAME \_\_\_\_\_

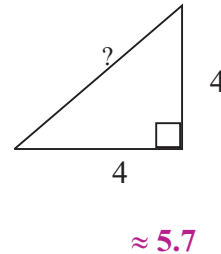
Module 8 Points, Lines, Angles, and Triangles  
Lesson 7 Right Triangles

Find the missing side length. Round to the nearest tenth.

1.



2.



Determine if a triangle with the given measures is a right triangle.

3. 7, 10, 13

4. 14, 48, 50

5. 25, 60, 65

No

Yes

Yes

6. From the corner of his yard, Max walked 18 feet due west and 80 feet due south. How far is Max from his starting point?

Max walked 82 feet.

7. A construction worker on a rooftop throws down a rope for another worker to tie to a stake in the ground which is located 15 feet from the house. If the worker on the roof ties his end to the roof's edge at a spot 24 feet above the ground, what is the length of the rope from the roof to the ground? Round to the nearest tenth of a foot.

The length of rope from the roof to the ground is 28.3 feet.

8. A plane takes off and rises at a steady pace for 15,000 feet. At this point, the plane's elevation is 7,000 feet. To the nearest foot, how much ground distance did the plane cover?

**The plane covered 13,266 feet of ground distance.**

9. A rectangular poster board with a length of 48 inches is cut in half diagonally to form two right triangles. The hypotenuse of each triangle measures 60 inches. What is the width of the rectangular poster board?

**The width of the poster board is 36 inches.**