Name_____ Date _____

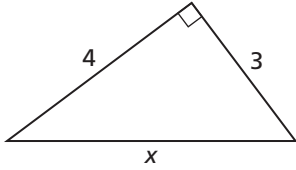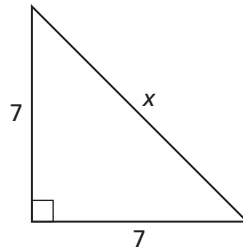**In Exercises 1–6, find the value of *x*. Then tell whether the side lengths form a Pythagorean triple.**

1.

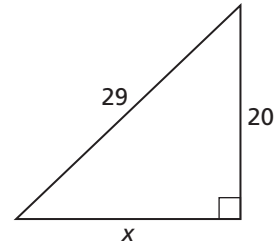**2.**

3.

4.
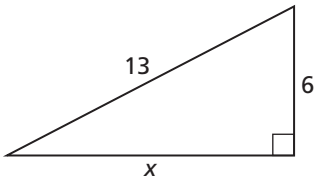
5.

6.

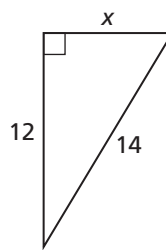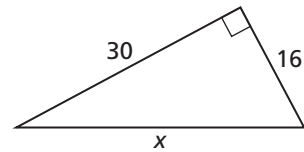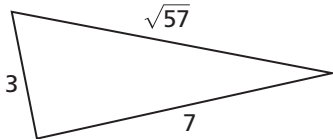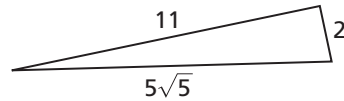**In Exercises 7 and 8, tell whether the triangle is a right triangle.**

7.

8.

In Exercises 9–12, verify that the segment lengths form a triangle. Is the triangle *acute*, *right*, or *obtuse*?

9. 5, 12, and 13

10. 5, 7, and 8

11. 2, 10, and 11

12. $\sqrt{8}$, 4, and 6

13. A ski lift forms a right triangle, as shown. Use the Pythagorean Theorem to approximate the horizontal distance traveled by a person riding the ski lift. Round your answer to the nearest whole foot.