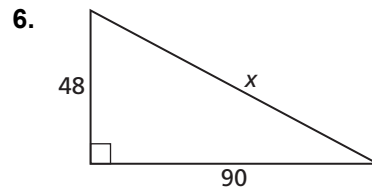
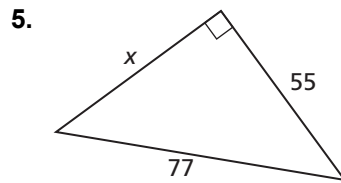
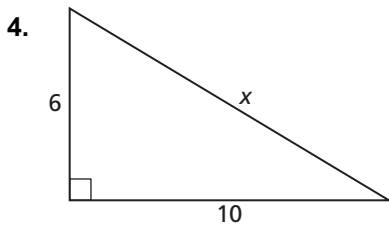
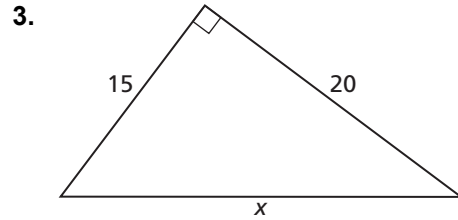
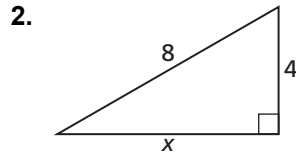
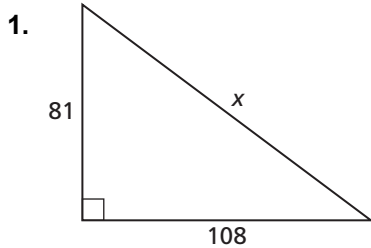


**9.1** Notetaking with Vocabulary (continued)

**Extra Practice**

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



7. From school, you biked 1.2 miles due south and then 0.5 mile due east to your house. If you had biked home on the street that runs directly diagonal from your school to your house, how many fewer miles would you have biked?

In Exercises 8 and 9, verify that the segment lengths form a triangle. Is the triangle *acute*, *right*, or *obtuse*?

8. 90, 216, and 234

9. 1, 1, and  $\sqrt{3}$