## 8-1  Skills Practice

### Geometric Mean

Find the geometric mean between each pair of numbers.

1. 2 and 8

2. 9 and 36
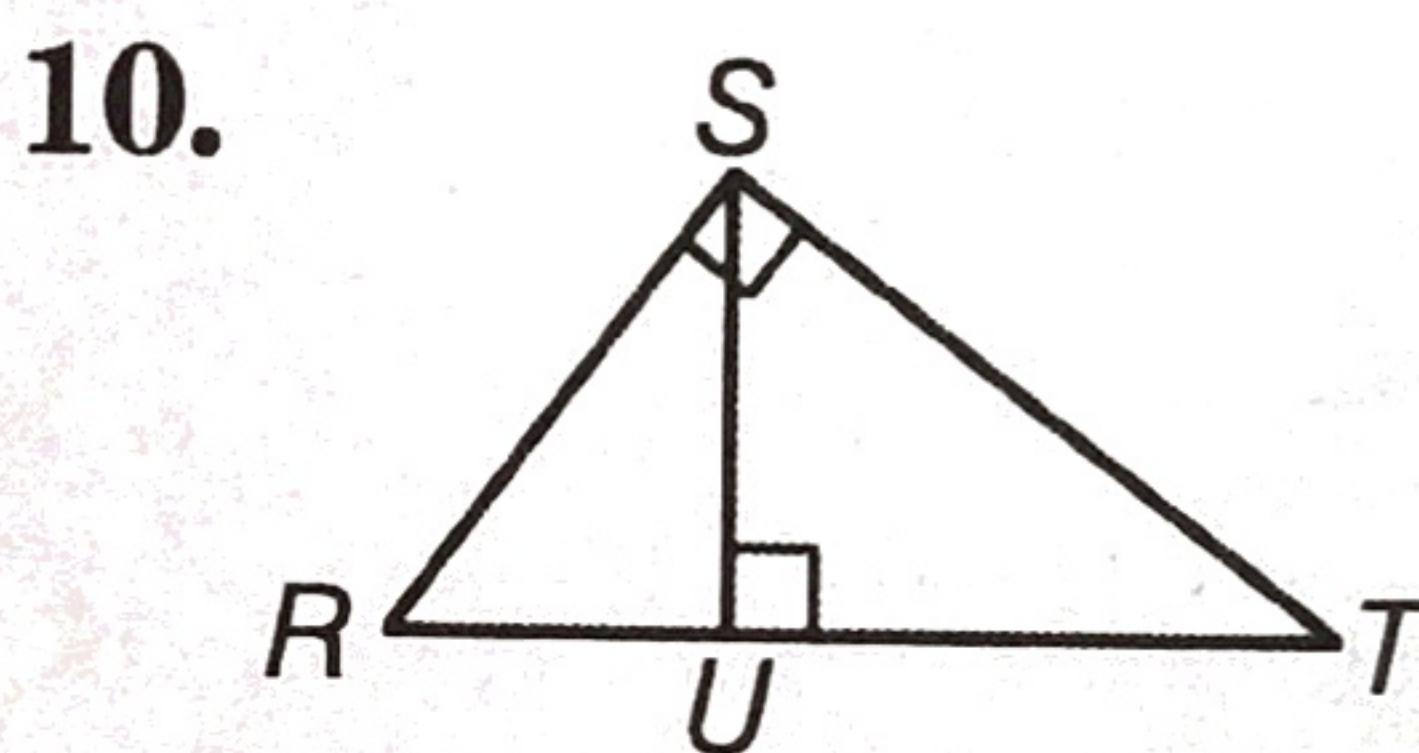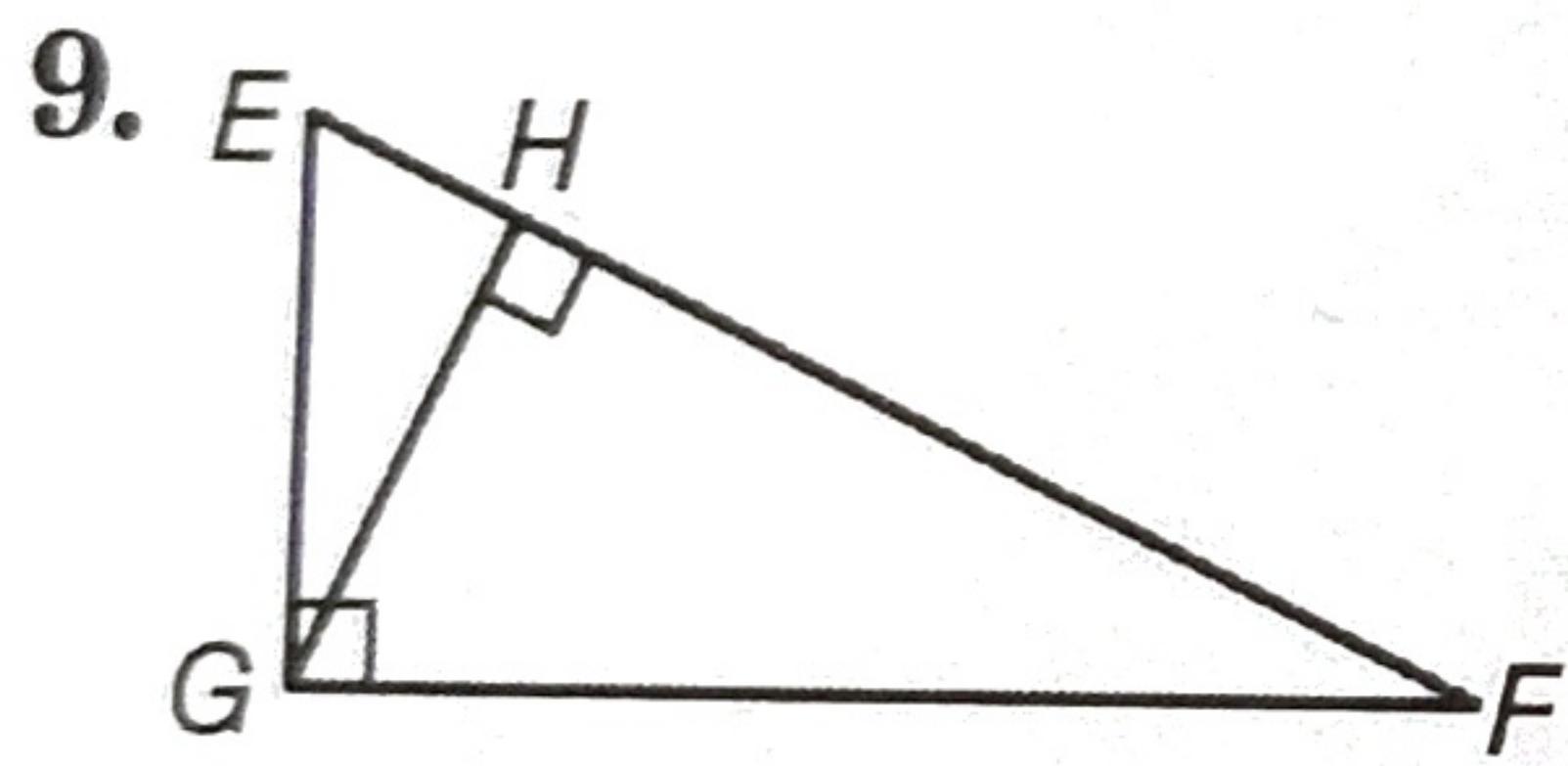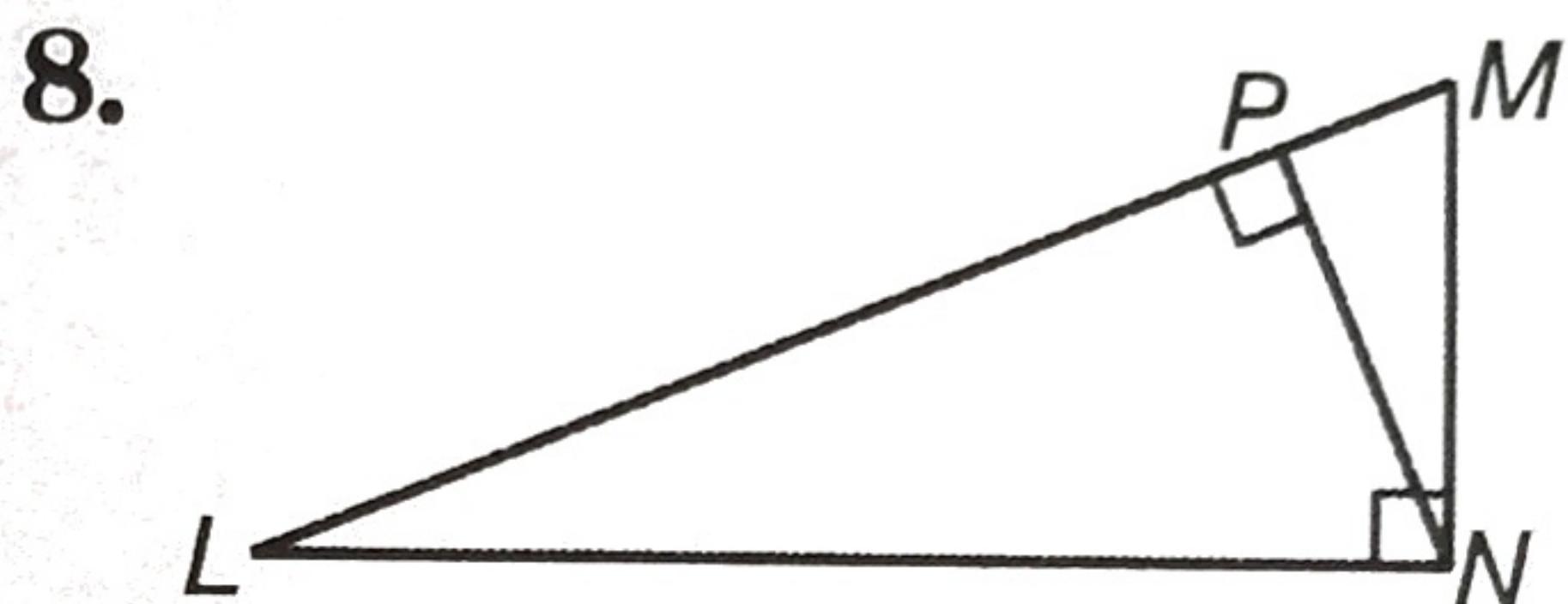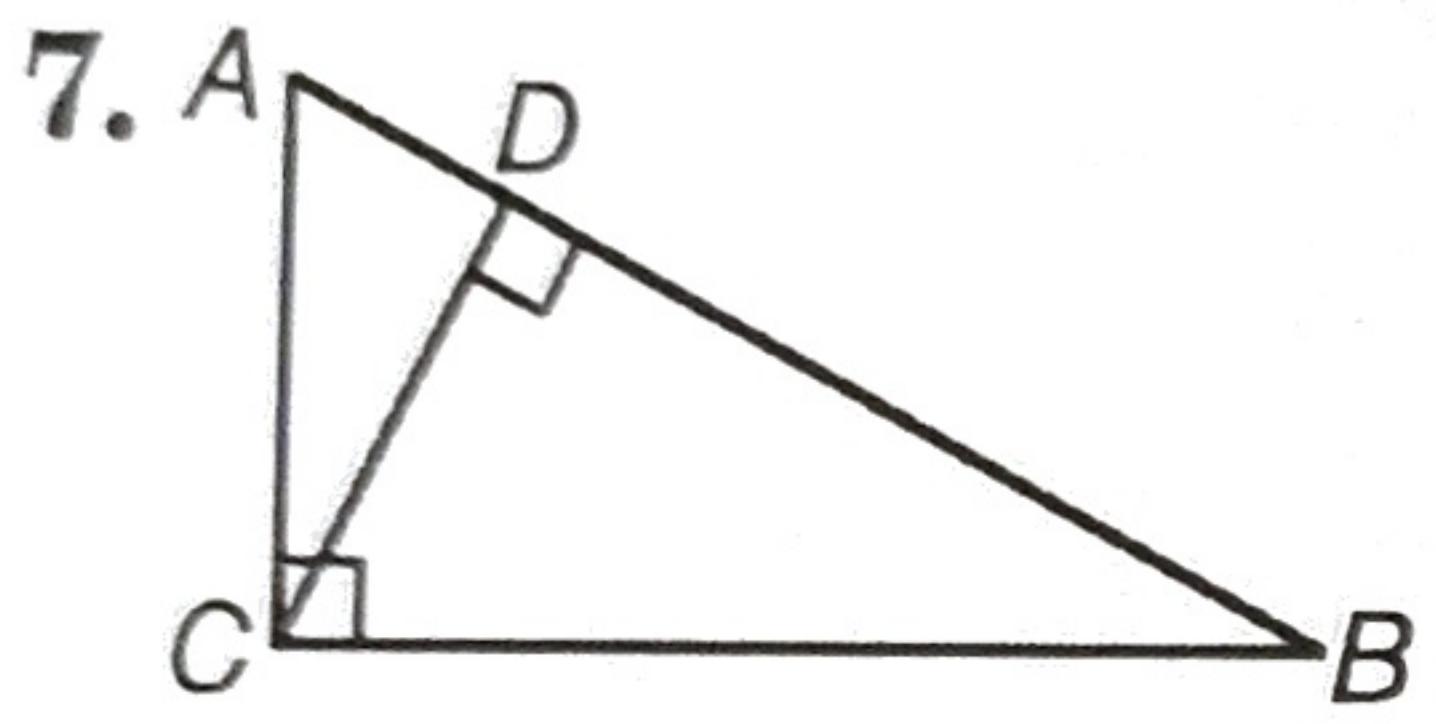
3. 4 and 7

4. 5 and 10
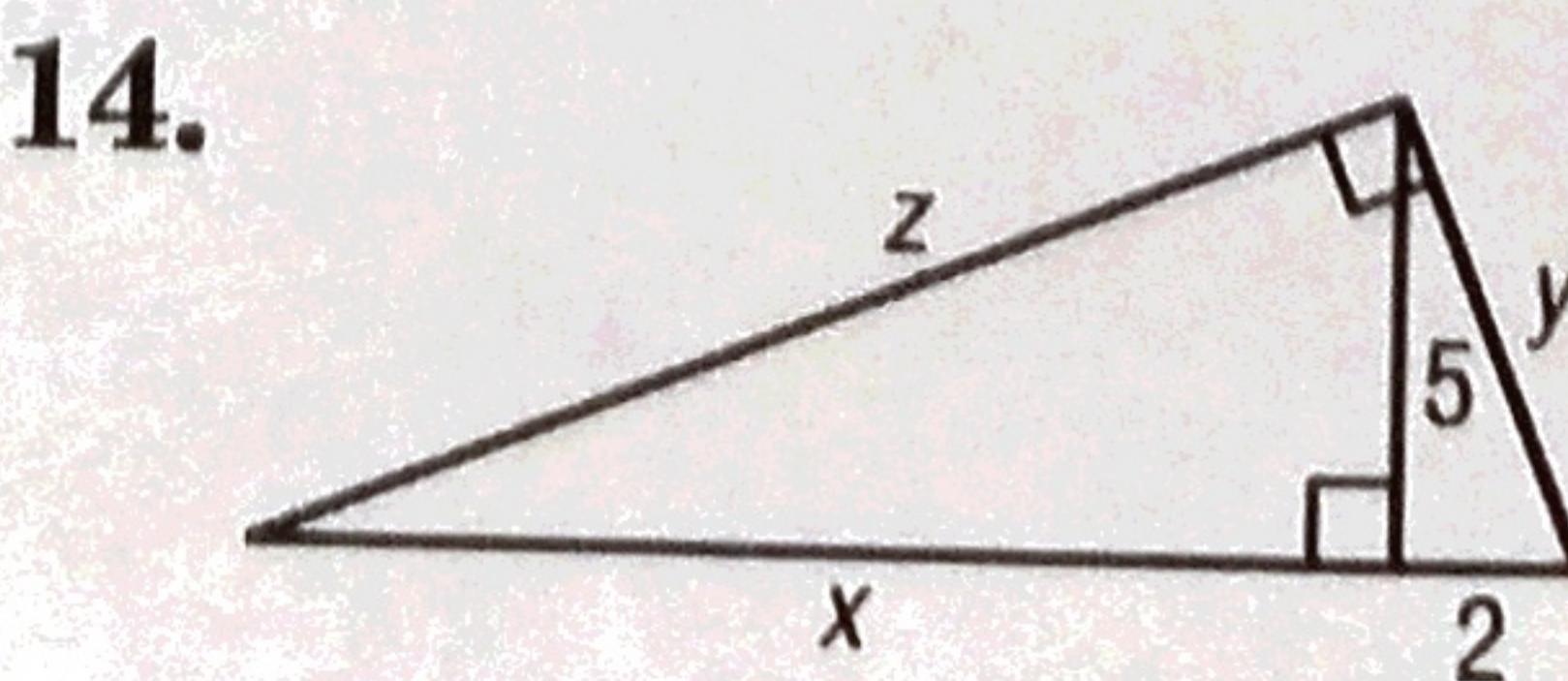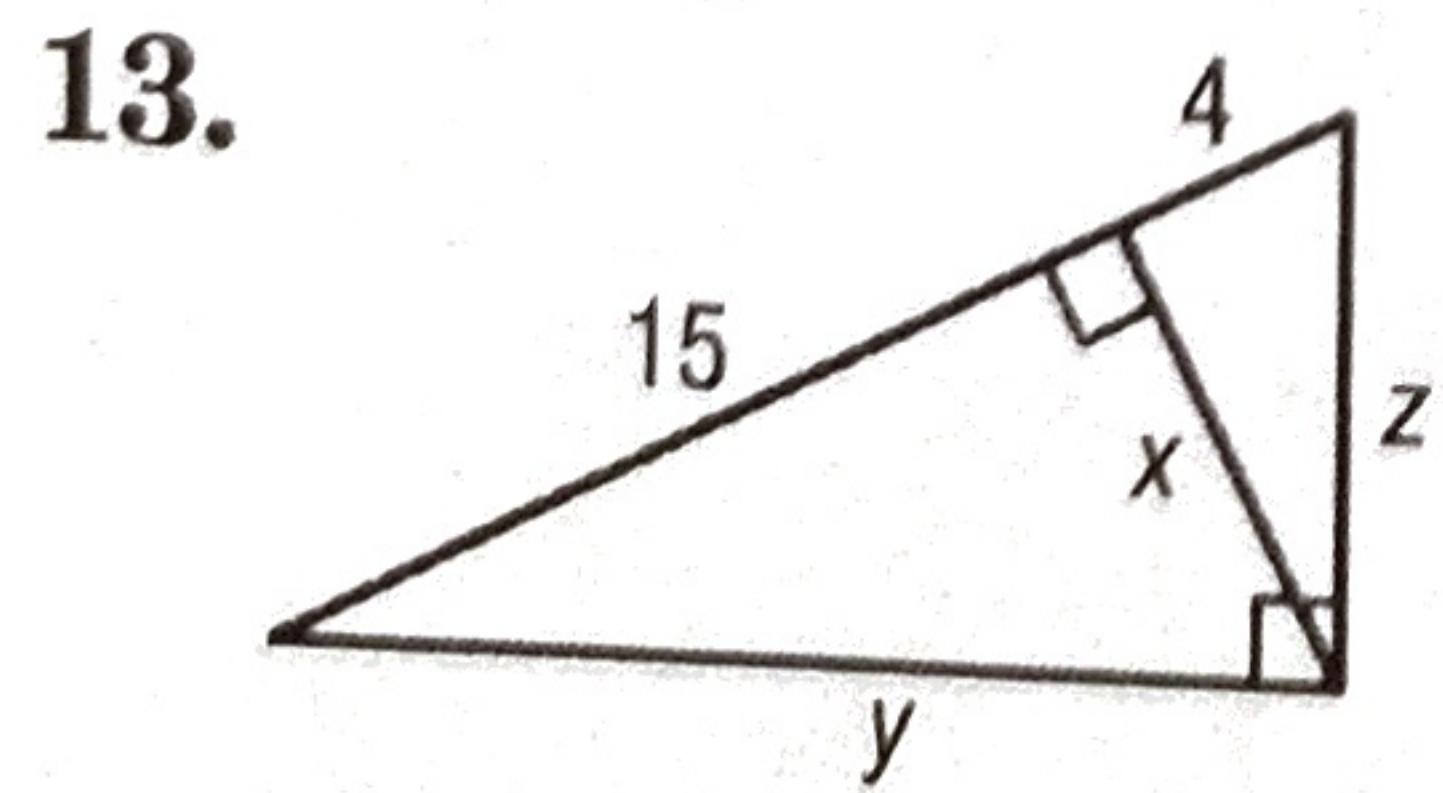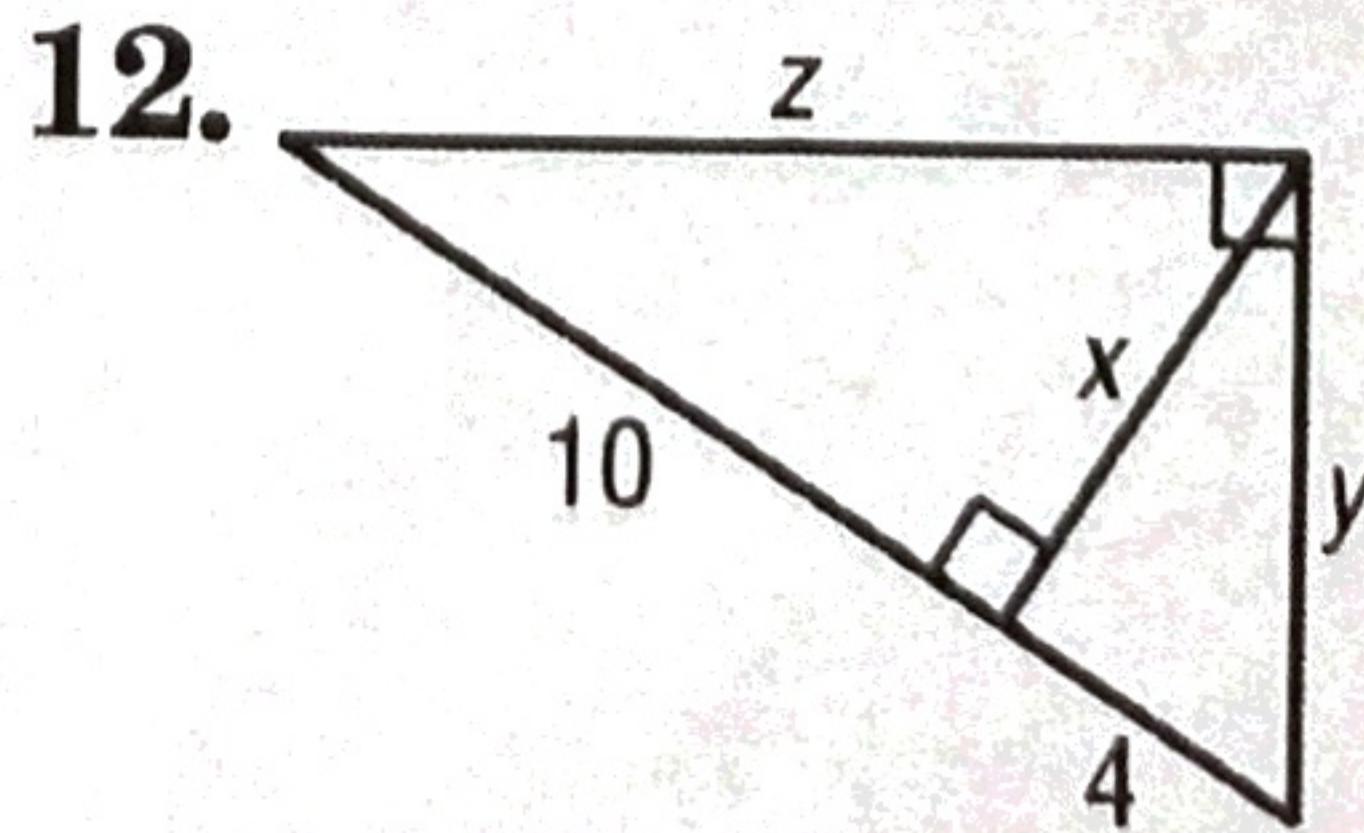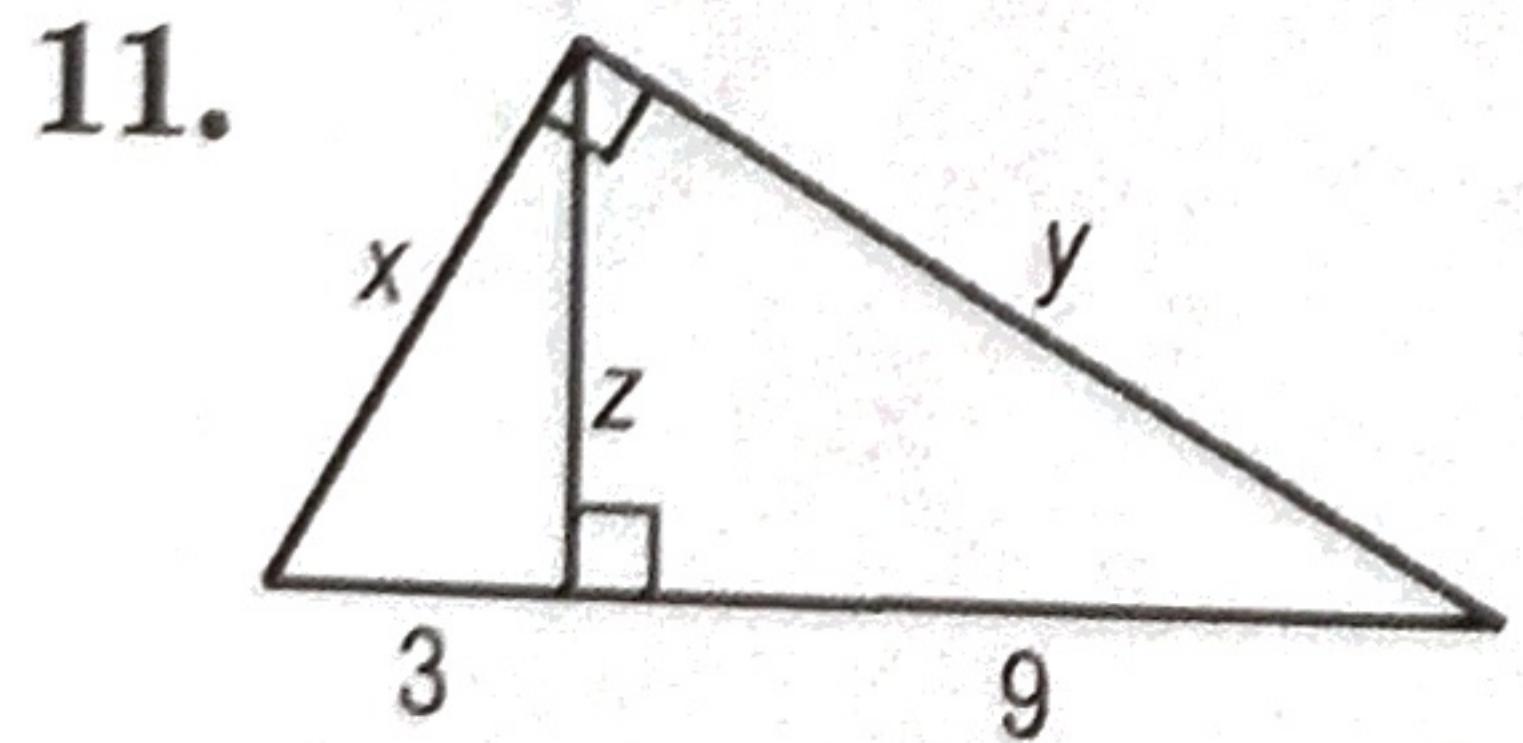
5. 28 and 14
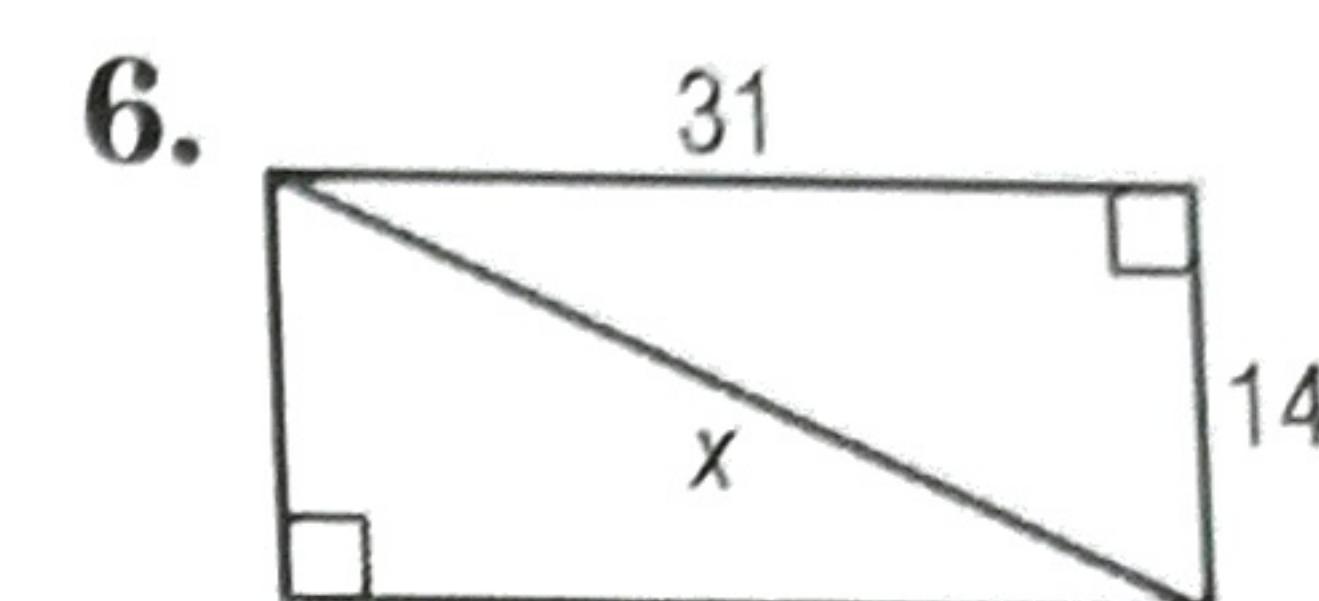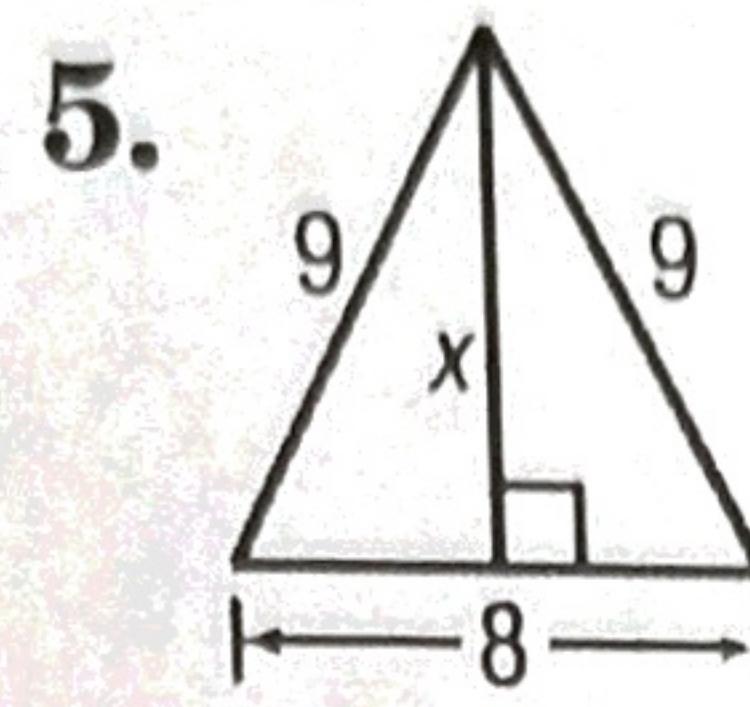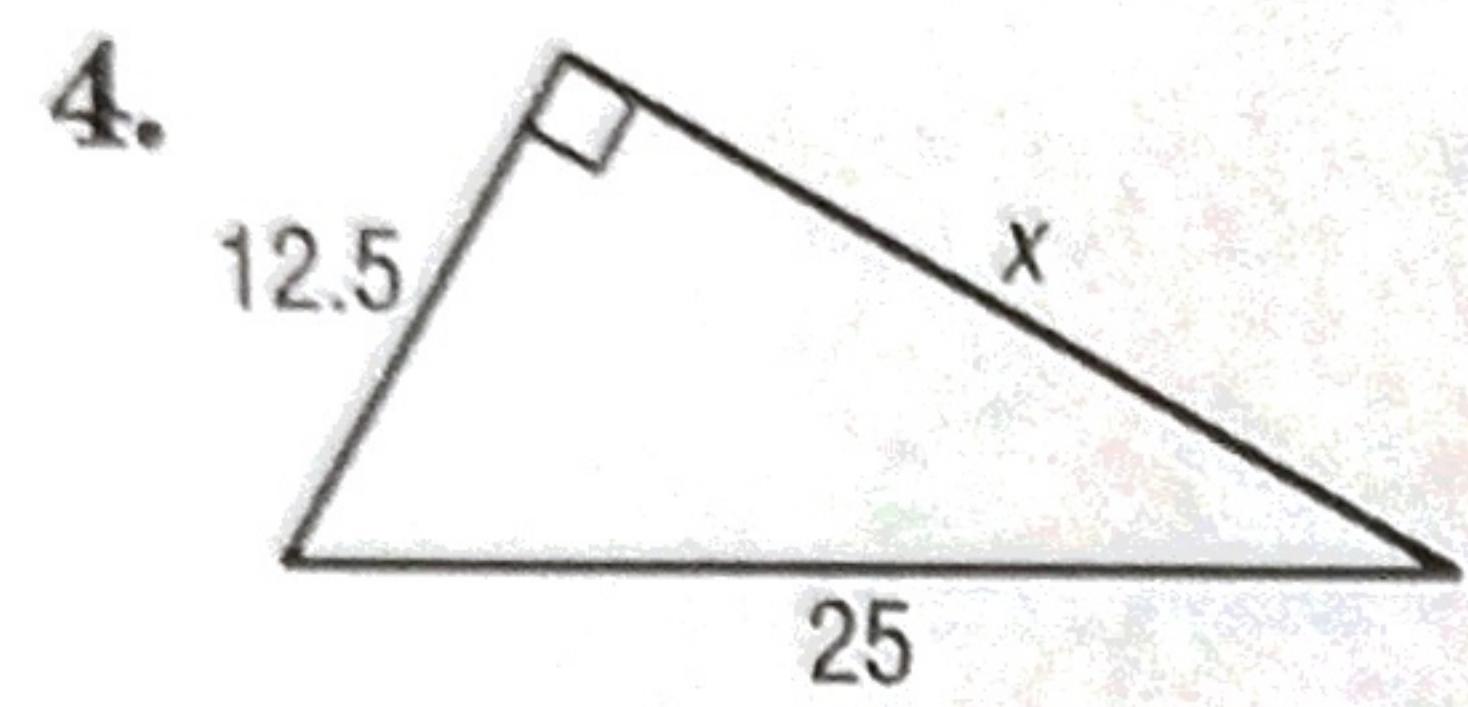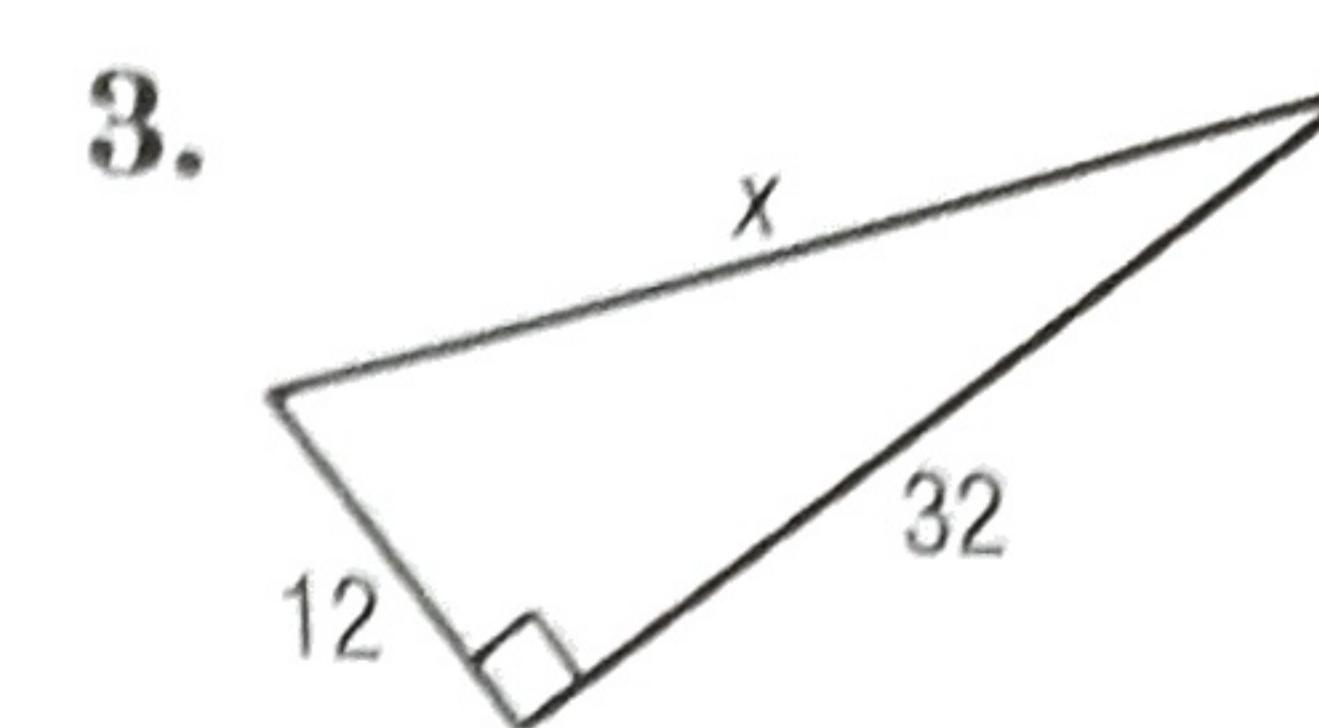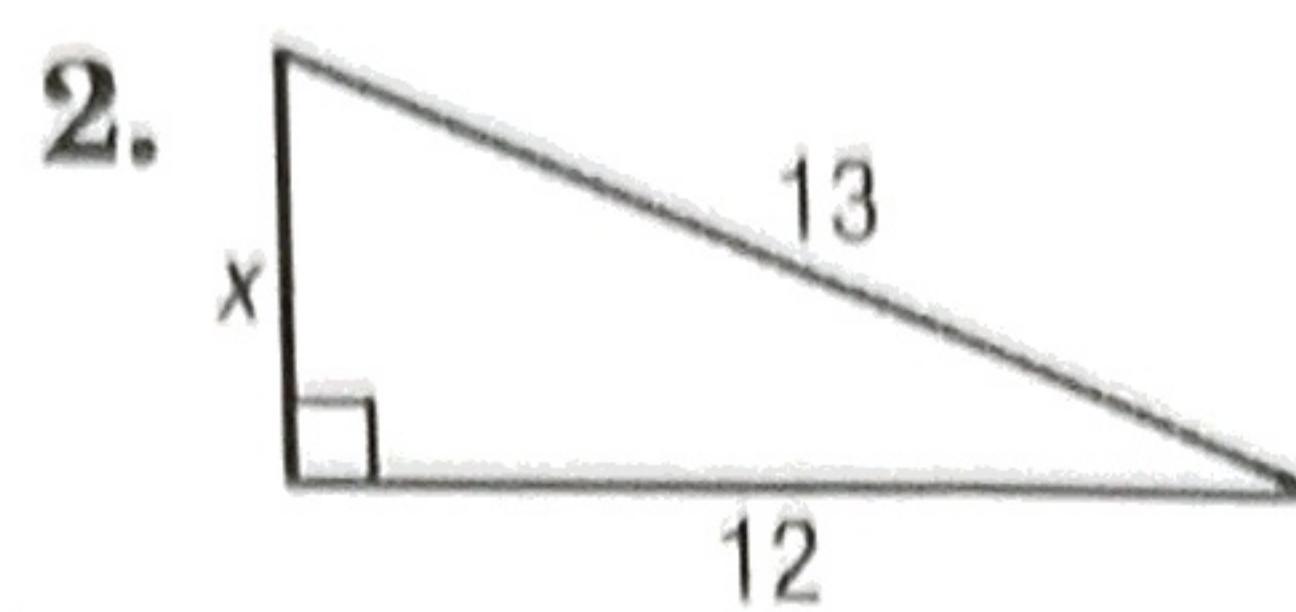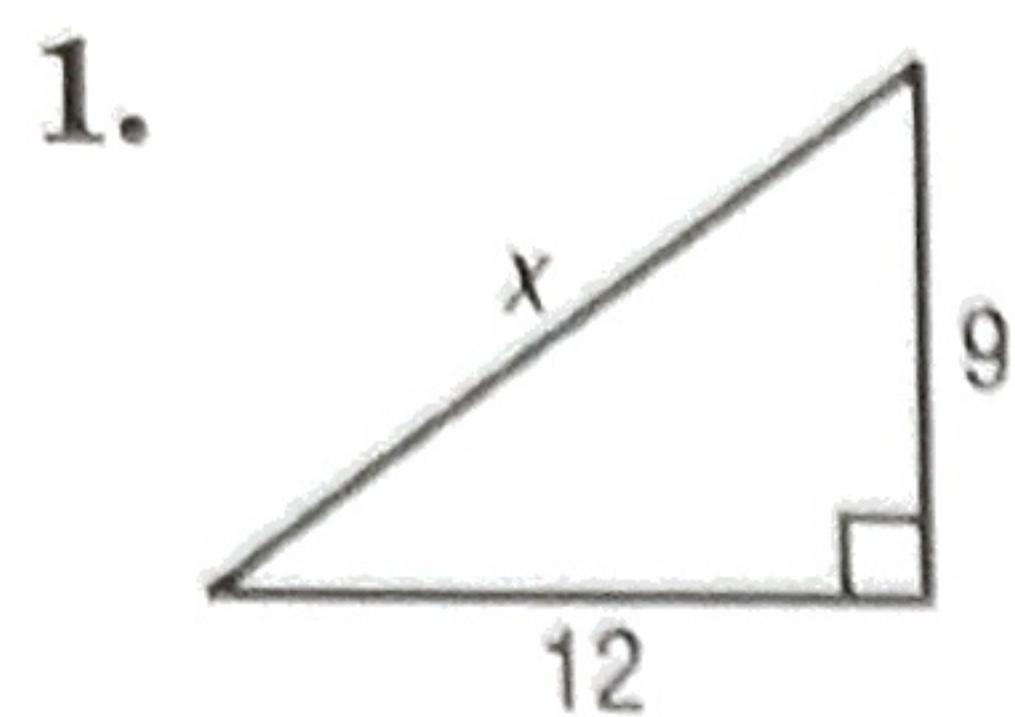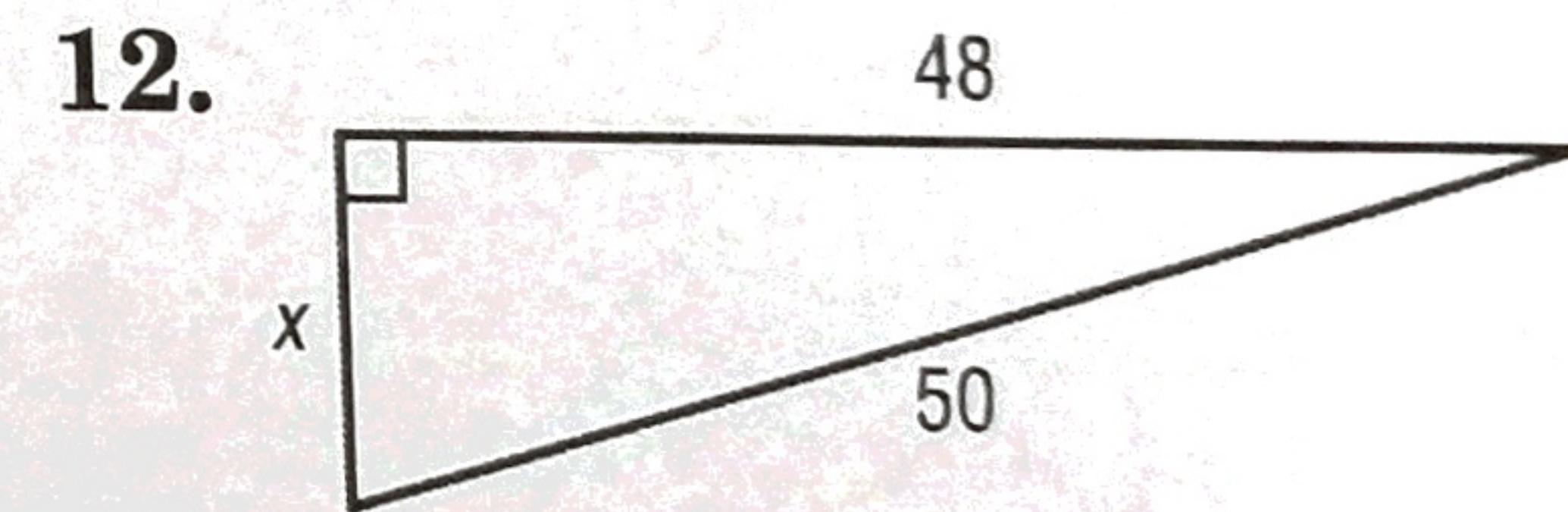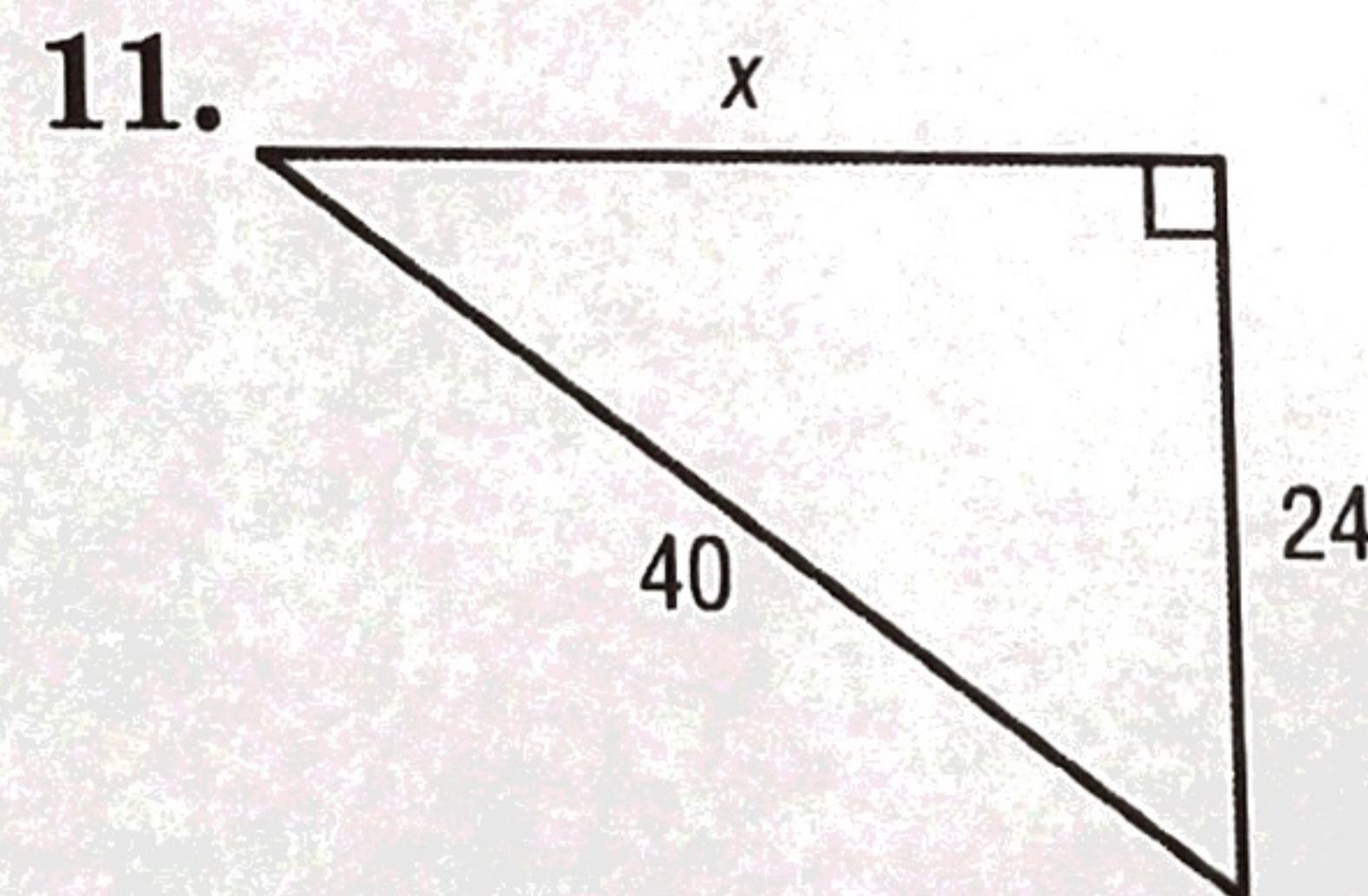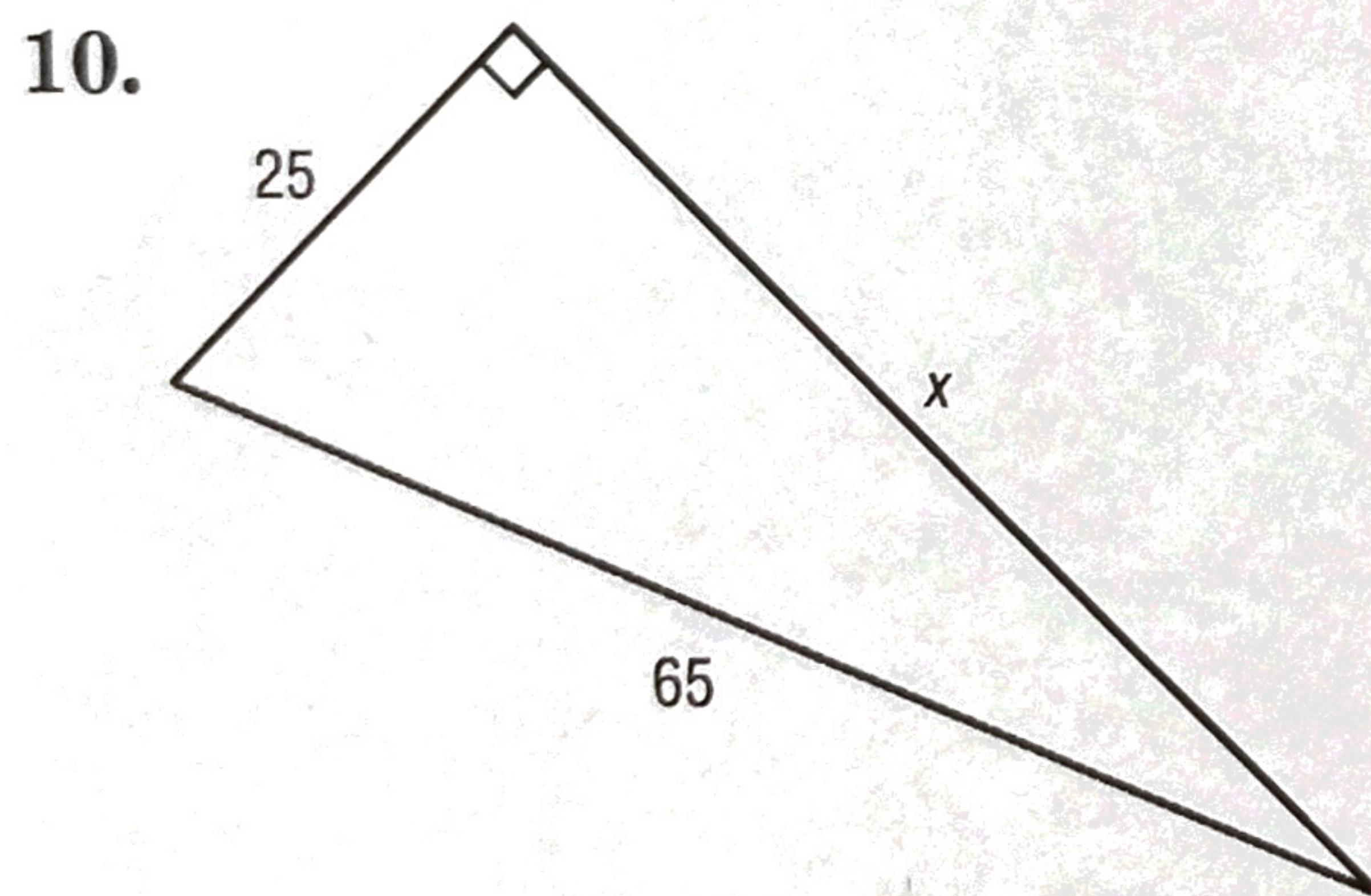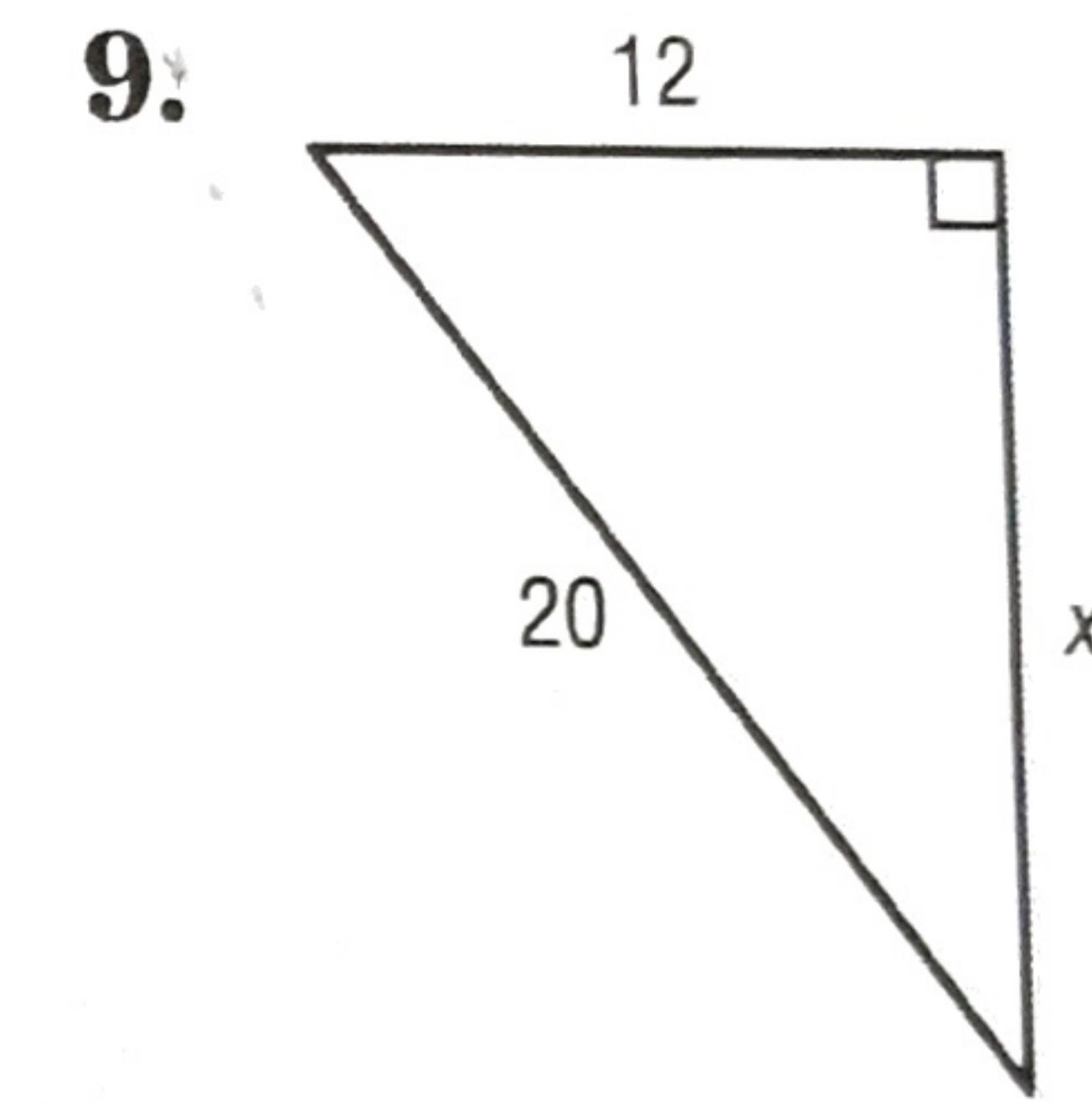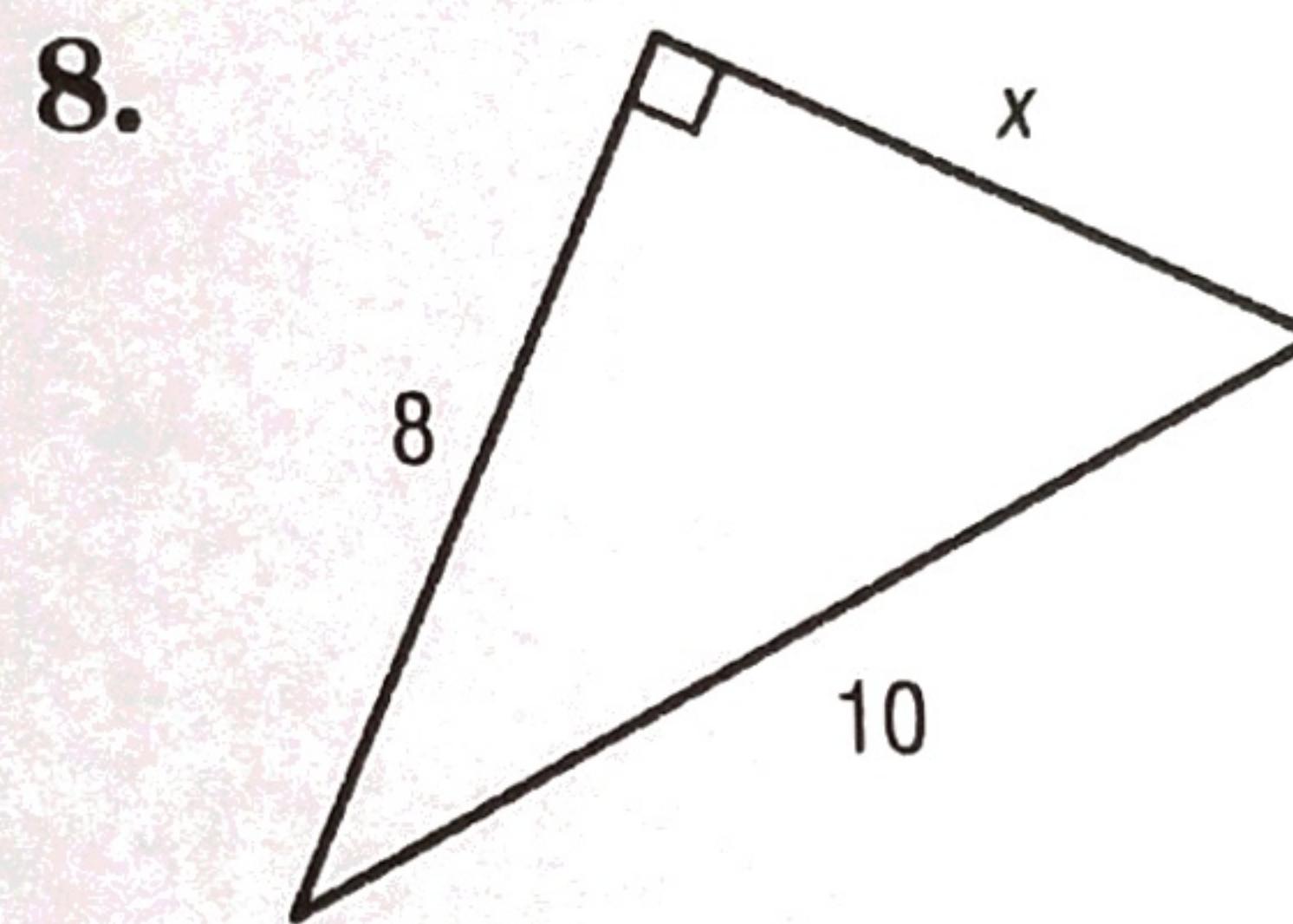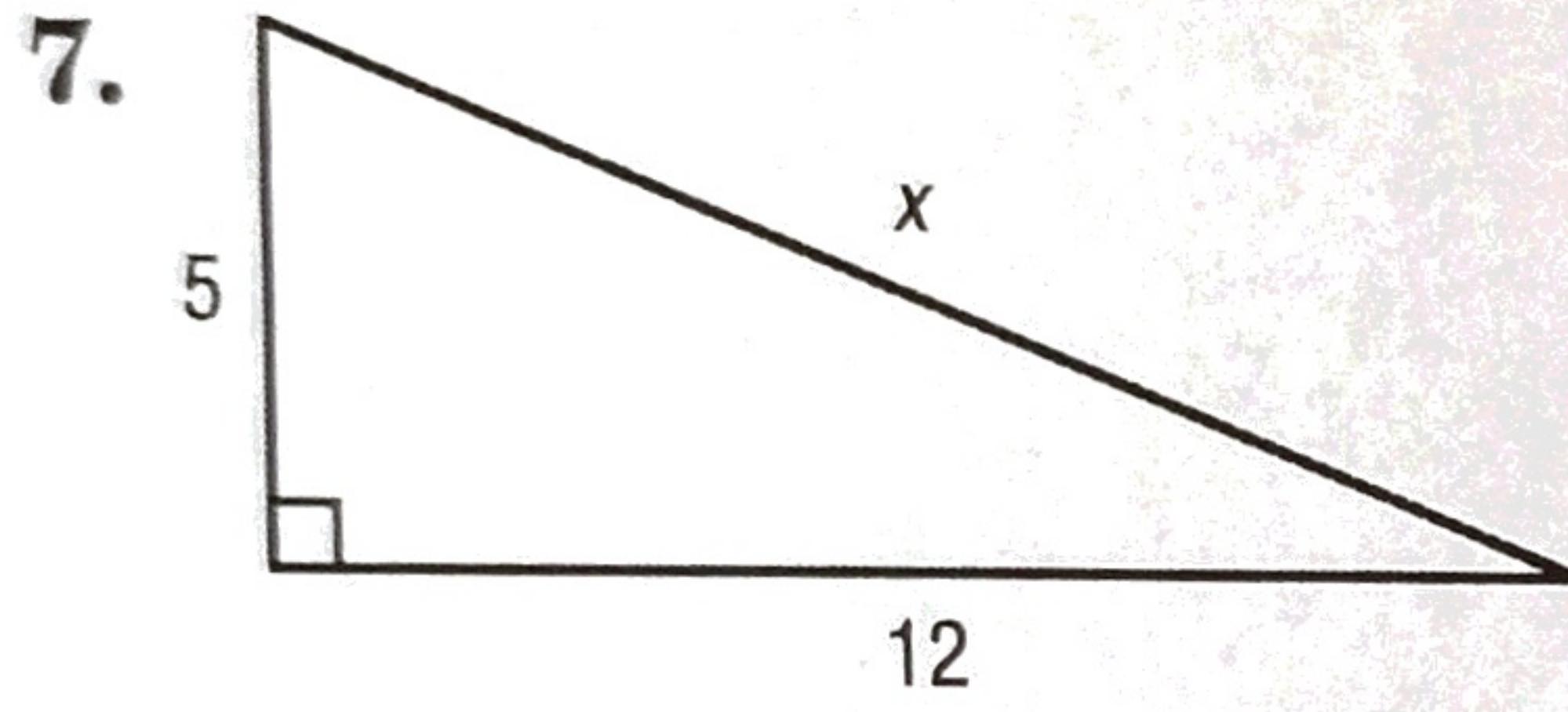
6. 7 and 36

Write a similarity statement identifying the three similar triangles in the figure.

7.



8.



9.



10.



Find $x$, $y$ and $z$.

11.



12.



13.



14.

Lesson 8-1

## 8-2 Skills Practice

### The Pythagorean Theorem and Its Converse

**Find x.**

1.



2.



3.



4.



5.



6.



**Use a Pythagorean Triple to find x.**

7.



8.



9.



10.



11.



12.



**Determine whether each set of numbers can be measure of the sides of a triangle. If so, classify the triangle as _acute, obtuse, or right_. Justify your answer.**

13. 7, 24, 25

14. 8, 14, 20

15. 12.5, 13, 26

16. $3\sqrt{2}, \sqrt{7}, 4$

17. 20, 21, 29

18. 32, 35, 70

Lesson 8-2