Measurement and Geometry 3.3

Introduction to Pythagorean Theorem

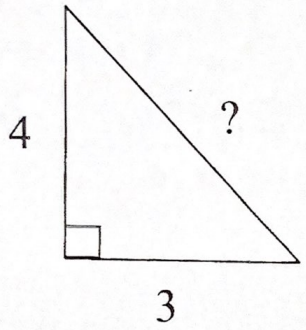
Name _____

Date _____

Period _____

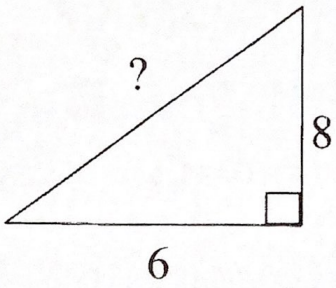
Find the missing side lengths.

1.



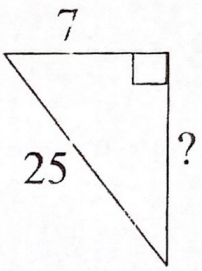
side = 5

2.



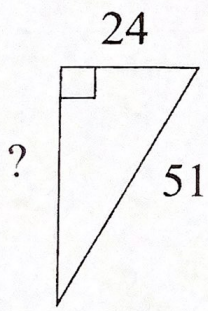
side = 10

3.



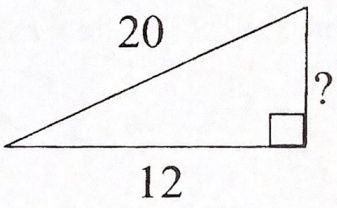
side = 24

4.



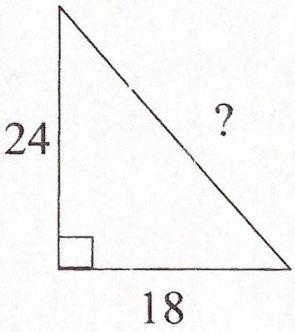
side = 45

5.



side = 16

6.



side = 30

Draw a picture and find the missing side.

7. A right triangle has a short side of 15 and a hypotenuse of 17. What is the missing side?

side = a = 8

8. A right triangle has a short side of 15 and a hypotenuse of 39. What is the missing side?

side = a = 36

9. A right triangle has a short side of 9 and a short side of 12. What is the missing side?

side = c = 15

10. A right triangle has a short side of 21 and a hypotenuse of 75. What is the missing side?

side = a = 72

11. A right triangle has a short side of 30 and a hypotenuse of 34. What is the missing side?

side = a = 16