

Name: _____

Date: _____

Find a missing leg (Set B)

Use $a^2 + b^2 = c^2$. Show your work.

1. A right triangle has a hypotenuse of 20 and one leg of 12. What is the other leg?

Answer: _____

2. A right triangle has a hypotenuse of 13 and one leg of 12. What is the other leg?

Answer: _____

3. A right triangle has a hypotenuse of 37 and one leg of 12. What is the other leg?

Answer: _____

4. A right triangle has a hypotenuse of 37 and one leg of 35. What is the other leg?

Answer: _____

5. A right triangle has a hypotenuse of 15 and one leg of 12. What is the other leg?

Answer: _____

6. A right triangle has a hypotenuse of 10 and one leg of 6. What is the other leg?

Answer: _____

7. A right triangle has a hypotenuse of 26 and one leg of 24. What is the other leg?

Answer: _____

8. A right triangle has a hypotenuse of 20 and one leg of 16. What is the other leg?

Answer: _____

9. A right triangle has a hypotenuse of 25 and one leg of 20. What is the other leg?

Answer: _____

10. A right triangle has a hypotenuse of 41 and one leg of 40. What is the other leg?

Answer: _____

Pythagorean Theorem: Answer Key

1. 16

2. 5

3. 35

4. 12

5. 9

6. 8

7. 10

8. 12

9. 15

10. 9