

Name: _____

Date: _____

Find a missing leg

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

1. A right triangle has a hypotenuse of 25 and one leg of 24. What is the other leg?

Answer: _____

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

Answer: _____

3. A right triangle has a hypotenuse of 41 and one leg of 9. What is the other leg?

Answer: _____

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

Answer: _____

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

Answer: _____

6. A right triangle has a hypotenuse of 29 and one leg of 21. 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 17 and one leg of 8. What is the other leg?

Answer: _____

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

Answer: _____

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

Answer: _____

Pythagorean Theorem: Answer Key

1. 7

2. 9

3. 40

4. 12

5. 12

6. 20

7. 10

8. 15

9. 16

10. 9