

Name: _____

Date: _____

Find the hypotenuse

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

1. A right triangle has legs of 12 and 35. What is the length of the hypotenuse?

Answer: _____

2. A right triangle has legs of 12 and 16. What is the length of the hypotenuse?

Answer: _____

3. A right triangle has legs of 9 and 12. What is the length of the hypotenuse?

Answer: _____

4. A right triangle has legs of 5 and 12. What is the length of the hypotenuse?

Answer: _____

5. A right triangle has legs of 7 and 24. What is the length of the hypotenuse?

Answer: _____

6. A right triangle has legs of 20 and 21. What is the length of the hypotenuse?

Answer: _____

7. A right triangle has legs of 8 and 15. What is the length of the hypotenuse?

Answer: _____

8. A right triangle has legs of 3 and 4. What is the length of the hypotenuse?

Answer: _____

9. A right triangle has legs of 10 and 24. What is the length of the hypotenuse?

Answer: _____

10. A right triangle has legs of 6 and 8. What is the length of the hypotenuse?

Answer: _____

Pythagorean Theorem: Answer Key

1. 37

2. 20

3. 15

4. 13

5. 25

6. 29

7. 17

8. 5

9. 26

10. 10