

Name: _____

Date: _____

Find the hypotenuse (Set B)

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

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

Answer: _____

2. A right triangle has legs of 30 and 40. What is the length of the hypotenuse?

Answer: _____

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

Answer: _____

4. A right triangle has legs of 20 and 21. 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 8 and 15. What is the length of the hypotenuse?

Answer: _____

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

Answer: _____

8. A right triangle has legs of 9 and 40. What is the length of the hypotenuse?

Answer: _____

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

Answer: _____

10. A right triangle has legs of 15 and 20. What is the length of the hypotenuse?

Answer: _____

Pythagorean Theorem: Answer Key

1. 13

2. 50

3. 37

4. 29

5. 25

6. 17

7. 15

8. 41

9. 5

10. 25