

Name _____ Class _____

Pythagorean Theorem

Tell whether the triangle with the given side lengths is a right triangle. Show all work.

1. 5,13,12

2. 9,20,11

3. 5,6,7

4. 10,6,8

5. 7,24,25

6. 20,11,9

7. 8,17,15

8. $\sqrt{3}, \sqrt{7}, \sqrt{10}$

9. $3\sqrt{2}, 5\sqrt{2}, 4\sqrt{2}$

10. 20,9,15

Draw the triangle and then find the missing side:

11. $a = 6$ $b = 4$ $c = ?$

12. $a = 4$ $b = ?$ $c = 12$

13. $a = ?$ $b = 7$ $c = 9$

14. $a = 13$ $b = 7$ $c = ?$

15. $a = 12$ $b = 5$ $c = ?$

16. $a = 10$ $b = 10$ $c = ?$

17. $a = 6$ $b = ?$ $c = 12$

18. $a = ?$ $b = 9$ $c = 12$