

Pythagorean Theorem Worksheet

Draw a right triangle and label the legs, and hypotenuse. Then, state the Pythagorean theorem.

In a right triangle where a and b are the legs and c is the hypotenuse, use the given information to find the missing side. **SHOW ALL STEPS.** Write the best approximate for each problem.

1. $a = 12, b = 16$

6. $a = 4, b = 6$

2. $a = 3, b = 8$

7. $a = 11, b = 19$

3. $a = 6, b = 7$

8. $a = 20, b = 22$

4. $a = 9, b = 15$

9. $a = 8, b = 14$

5. $a = 10, b = 17$

10. $a = 25, b = 26$

$$11. a = 5, b = 8$$

$$18. a = 15, c = 18$$

$$12. a = 13, b = 17$$

$$19. b = 6, c = 15$$

$$13. a = 7, c = 12$$

$$20. b = 10, c = 25$$

$$14. a = 8, c = 20$$

$$21. b = 8, c = 11$$

$$15. a = 5, c = 16$$

$$22. b = 5, c = 13$$

$$16. a = 17, c = 22$$

$$23. b = 9, c = 13$$

$$17. a = 9, c = 19$$

$$24. b = 20, c = 28$$