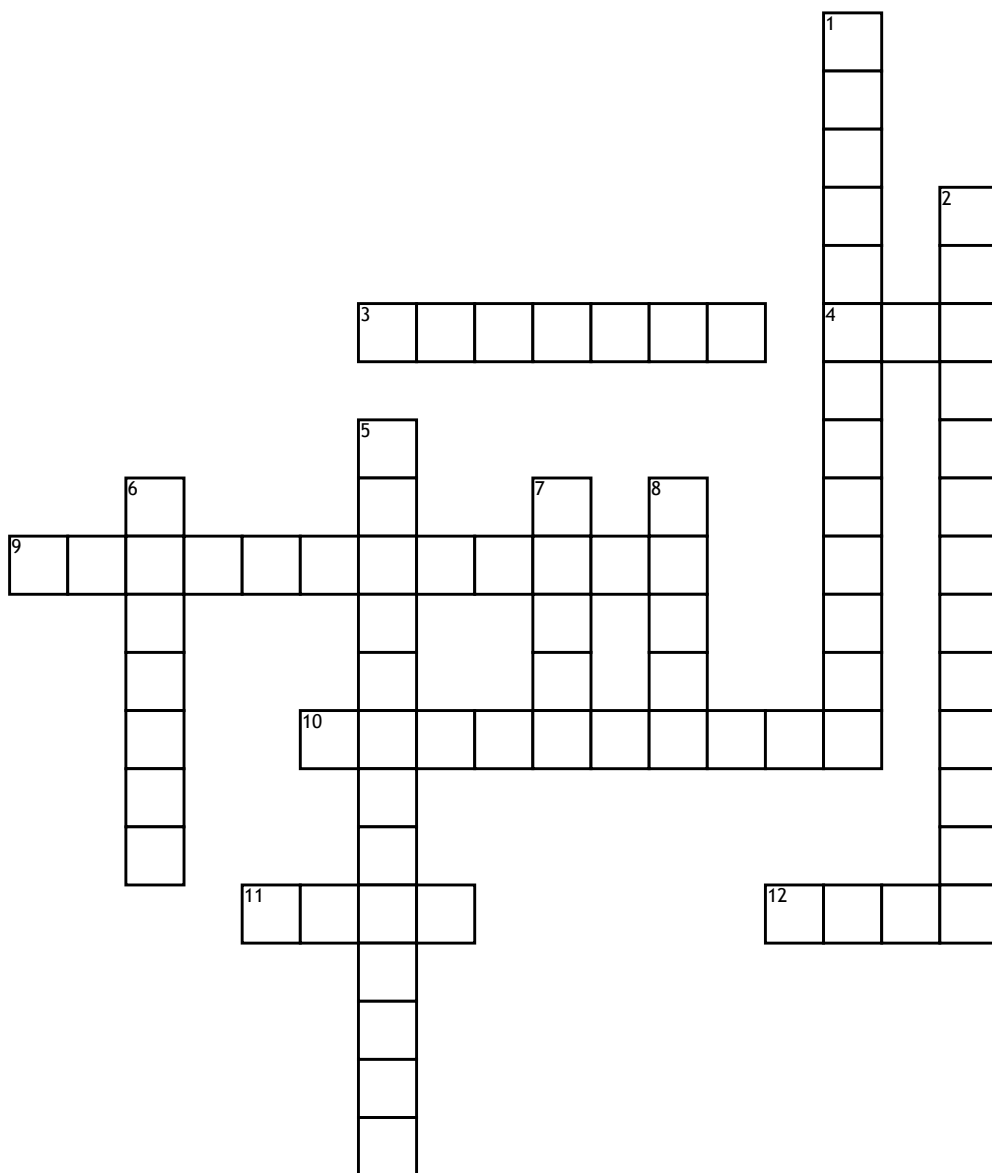


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Pythagorean Theorem Crossword Puzzle



## Across

3. each leg is what to the hypotenuse

4. John leaves school to go home. He walks 6 blocks north and then 8 blocks west. How far is John from the school? (Hint draw a picture)

9. A suitcase measures 24 inches long and 18 inches high. What is the diagonal length of the suitcase to the nearest tenth of a foot? (hint draw a picture)

10. legs side of a right triangle

11. sides a and b on the triangle are called what

12. Oscar's dog house is shaped like a tent. The slanted sides are both 5 feet long and the bottom of the house is 6 feet long across. What is the height of his dog house, in feet at its tallest point? (hint draw a picture)

## Down

1. measures 90 degrees

2. Two joggers run 8 miles north and then 5 miles west. What is the shortest distance, to the nearest tenth of a mile, they must travel to return to their starting point? (hint draw a picture)

5. the little box in the gotten of a right triangle measures what

6.  $a^2 + b^2 = c^2$  is what

7. give the angle classification for the triangle with side lengths 16cm, 63cm, and 65cm

8. 25, 24, and \_\_\_\_ are a Pythagorean triple