Name: _____ Date: _____

Pythagorean Theorem Crossword Puzzle

The crossword grid contains the following answers:

1. RIGHT (down)
2. NINEPOINTFOUR (down)
3. SHORTER (across)
4. TEN (across)
5. NINETEEN... (down) — NINETEENDEGREES
6. FORMULA (down)
7. RIGHT (down)
8. SEVEN (down)
9. TWOPOINTFIVE (across)
10. HYPOTENUSE (across)
11. LEGS (across)
12. FOUR (across)
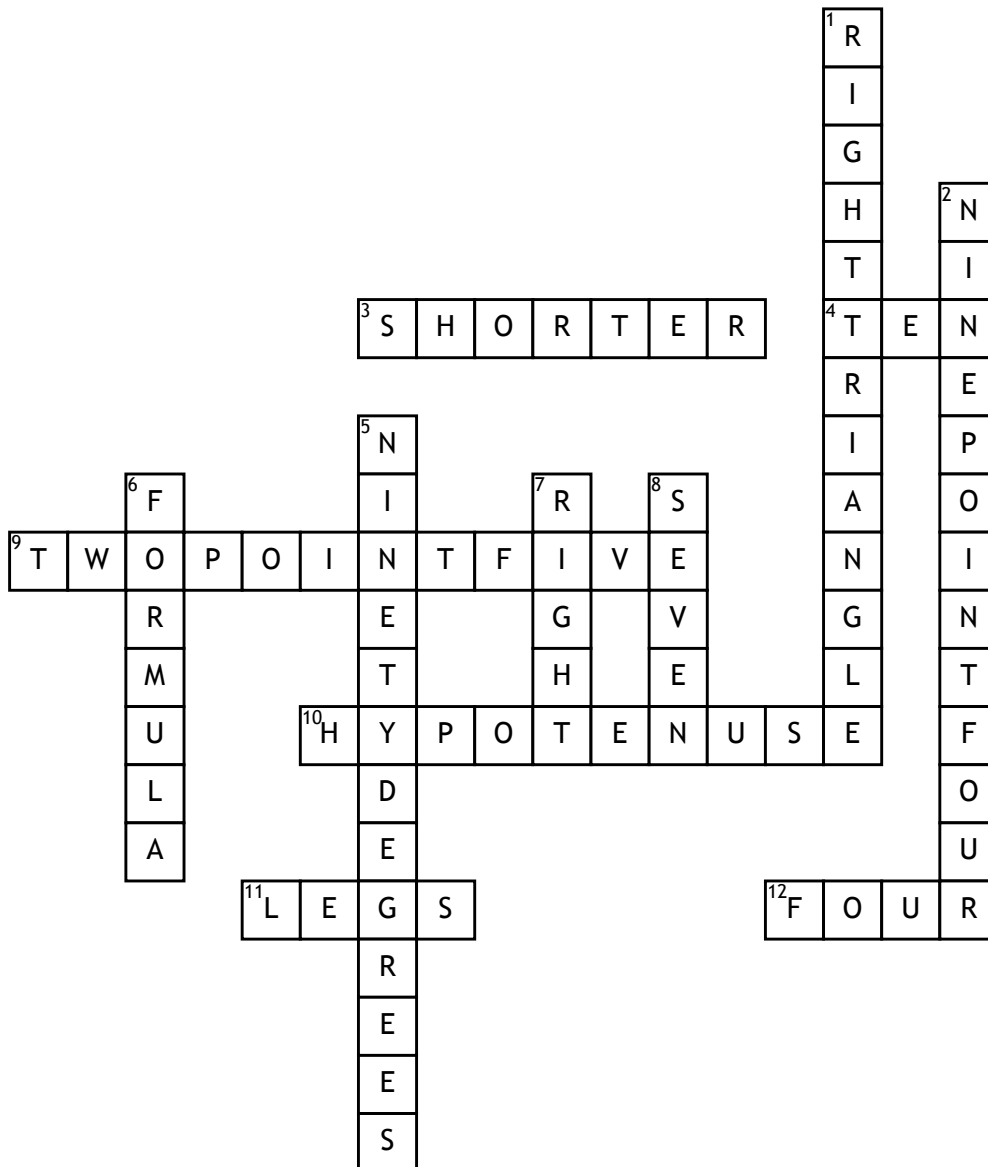
Across

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. loges 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 ten. 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. a2+b2=c2 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