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Pythagorean Theorem Crossword Puzzle

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| **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 |