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Trigonometry Crossword Puzzle

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| **Across**  **4.** square of the hypotenuse (the side opposite the right angle) is equal to the sum of the squares of the other two sides.  **5.** equal to the ratio of the side adjacent to an acute angle (in a right-angled triangle) to the hypotenuse.  **7.** the longest side of a right triangle, opposite the right angle  **8.** line forming the boundary of a closed geometric shape  **10.** when two anles have a common side and a common vertex (corner point) and don't overlap.  **12.** the trigonometric function that is equal to the ratio of the side opposite a given angle (in a right triangle) to the hypotenuse.  **13.** a straight line from the center to the circumference of a circle  **14.** a unit of measurement of angles | **Down**  **1.** triangle that has two sides of equal length  **2.** an angle is the length of the opposite side divided by the length of the adjacent side.  **3.** figure with three straight sides and three angles  **6.** statement believed to be true based on observations  **9.** relative sizes of two or more values  **11.** all three sides are equal in a triangle |

   radius       degree       hypotenuse        conjecture       equilateral        isosceles       Pythagorean theorem        ratio       triangle       sine       cosine       tangent       perimeter        adjacent