Right Triangles and Trigonometry

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| **Across**  **1.** Used to solve triangle with SAS or SSS  **6.** Used to solve triangles with AAS or ASA  **8.** A ratio of the lengths of two sides in a right triangle  **10.** If sin A =y then sin^-1 y = m<A  **11.** Trig ratios that involve the lengths of a leg and the hypotenuse of a right triangle  **12.** The side opposite the right angle of a right triangle  **13.** Angle that an upward line of sight makes with a horizontal line | **Down**  **2.** Angle that a downward line of sight makes with a horizontal line  **3.** If tan A = x, then tan^-1 x = m<A  **4.** A set of 3 positive integers that satisfy the equation c^2=a^2 + b^2  **5.** Trig ratio that involves the lengths of the legs of a right triangle  **7.** The positive number x that satisfies a/x = x/b  **9.** If cos A = z the cos^-1 z = m<A |

   Hypotenuse       Pythagorean Triple       Geometric mean       Trigonometric ratio       Tangent       Angle of elevation       Sine and Cosine        Angle of depression       Inverse Tangent       Inverse Sine       Inverse Cosine       Law of Sines       Law of Cosines