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