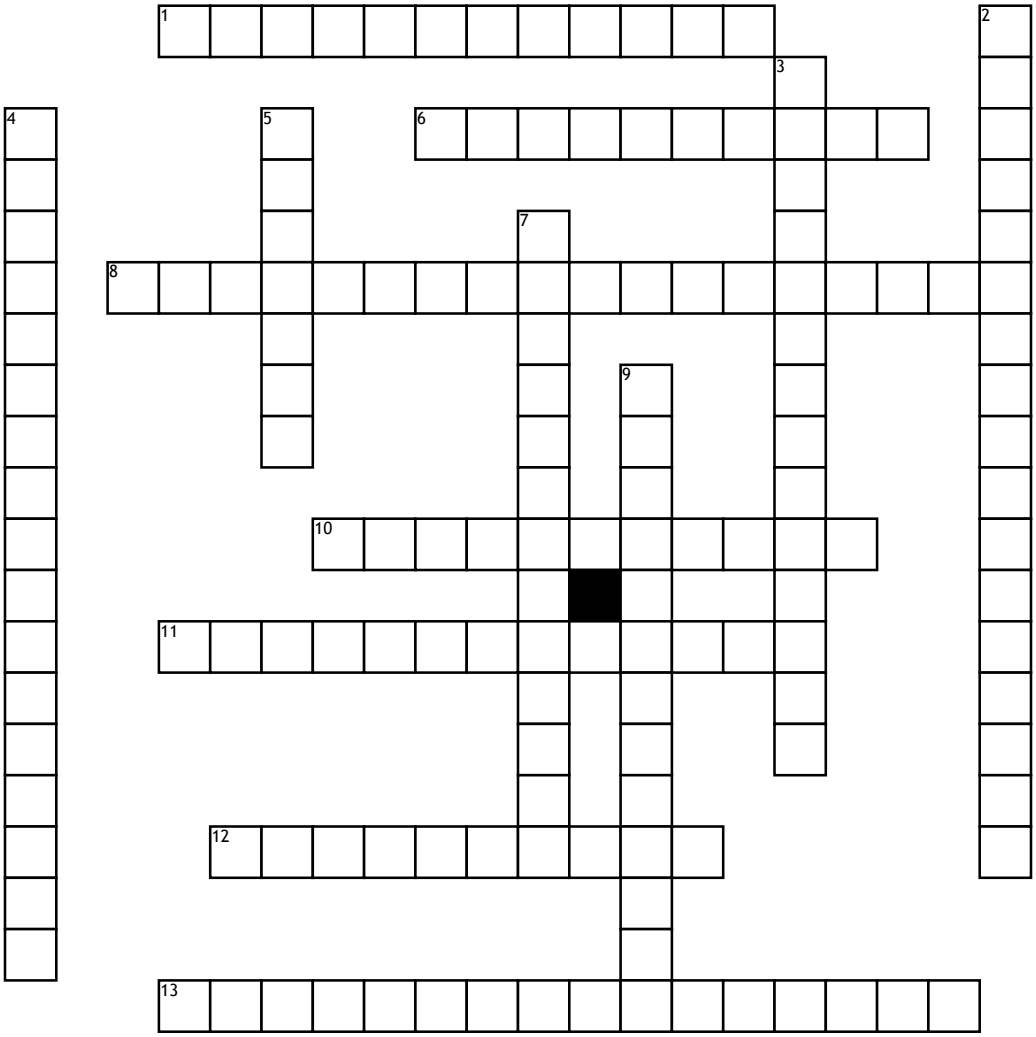
Right Triangles and Trigonometry



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

Word Bank

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