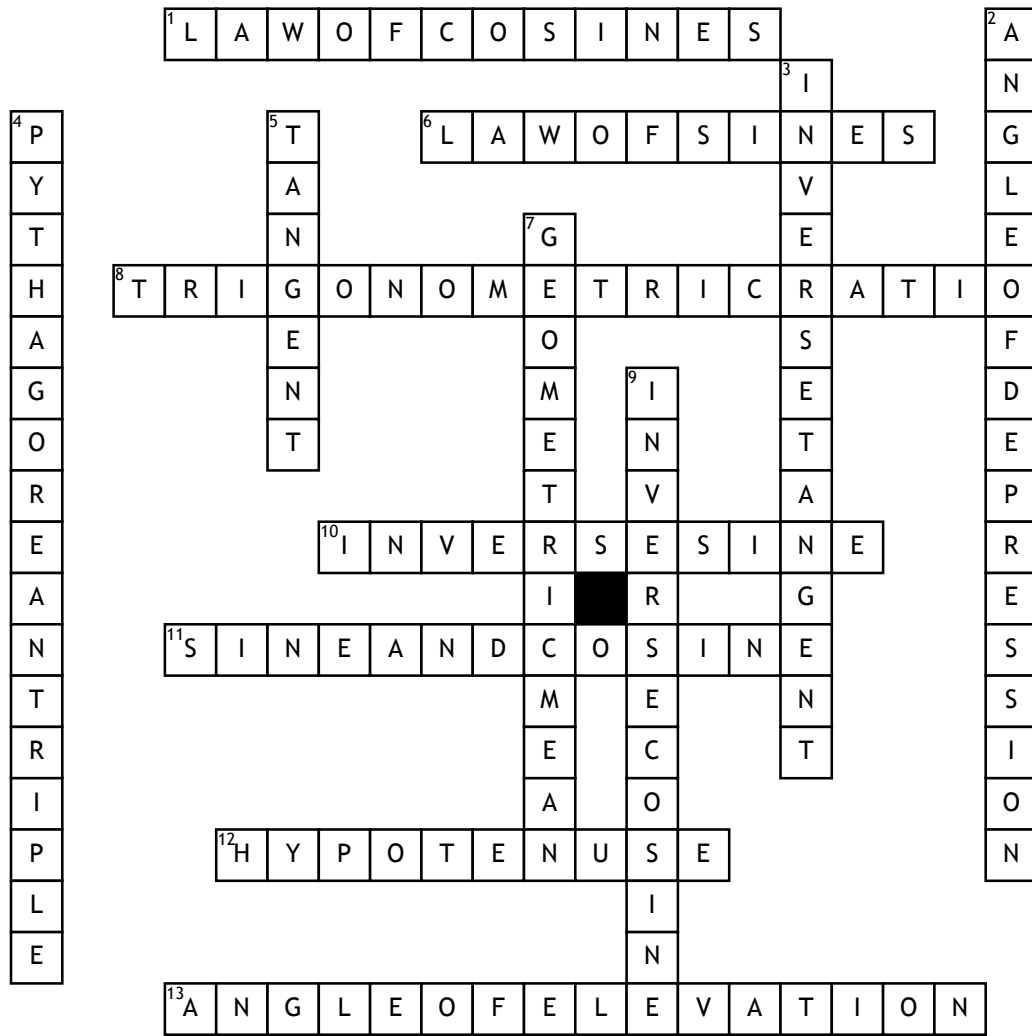


Right Triangles and Trigonometry



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 $\sin^{-1} y = m\angle A$

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 $\tan^{-1} x = m\angle A$

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 $\cos^{-1} z = m\angle A$

Word Bank

Pythagorean Triple

Inverse Cosine

Hypotenuse

Geometric mean

Angle of depression

Tangent

Sine and Cosine

Angle of elevation

Inverse Tangent

Law of Cosines

Law of Sines

Trigonometric ratio

Inverse Sine