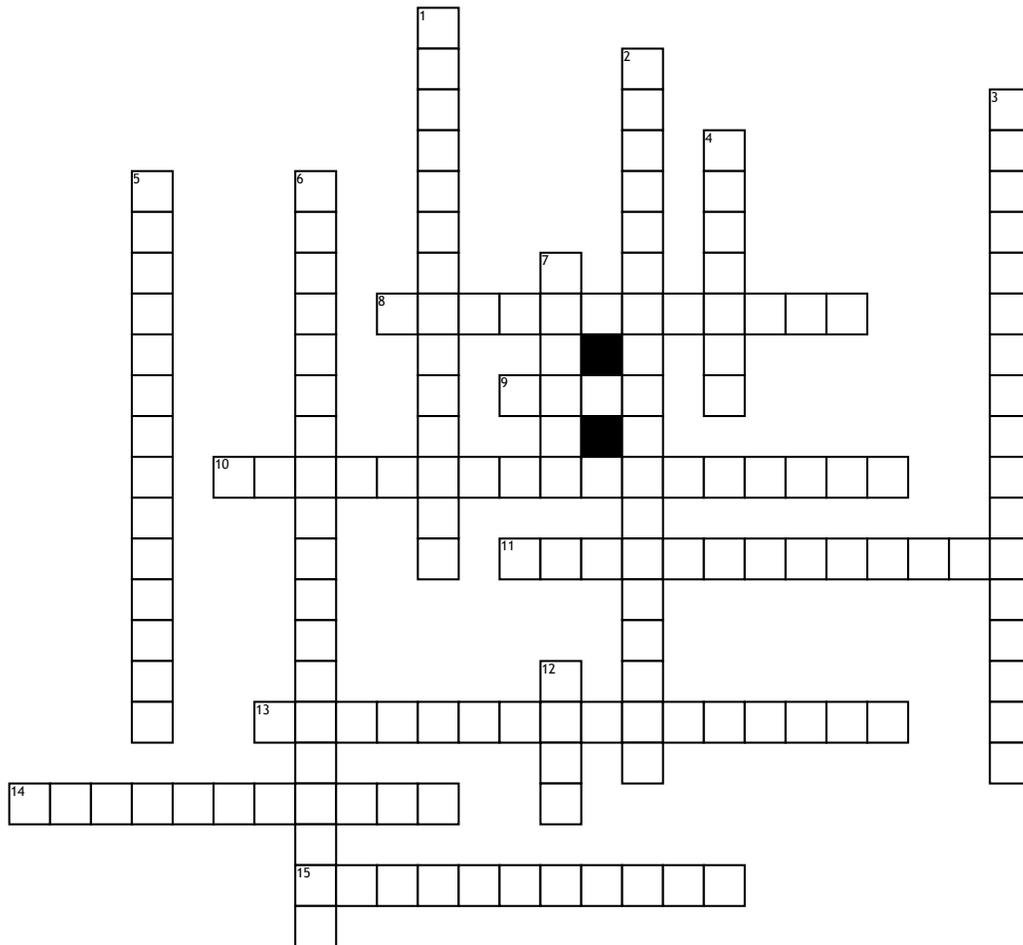


math



Across

8. is the study of the relationship of the sides and angles of a triangle
 9. opposite over hypotenuse
 10. is a set of three integers a, b, c which form the sides of a right angled triangle
 11. a shape with an 90 degree angle is
 13. angle between a horizontal line and the line of sight to an object above the horizontal line

14. is adjacent next to the theta angle

15. across from the theta angle

Down

1. special right triangle has acute angles measuring 30 and 60 degrees.
 2. which says that the square of the length of the hypotenuse equals the sum of the squares of the lengths of the legs
 3. angle which the plane descends

4. opposite over adjacent is

5. isosceles right triangles sometimes referred as, acute angles are equal

6. perform the opposite operations that the sine, cosine, tangent, secant, cosecant and cotangent perform

7. adjacent over hypotenuse is

12. the other two sides

Word Bank

angle of elevation

Cosine

tangent

right triangle

angle of depression

opposite leg

Pythagorean theorem

30-60-90 triangle

trigonometry

PYTHAGOREAN TRIPLE

legs

sine

adjacent leg

45-45-90 TRIANGLE

inverse trig function