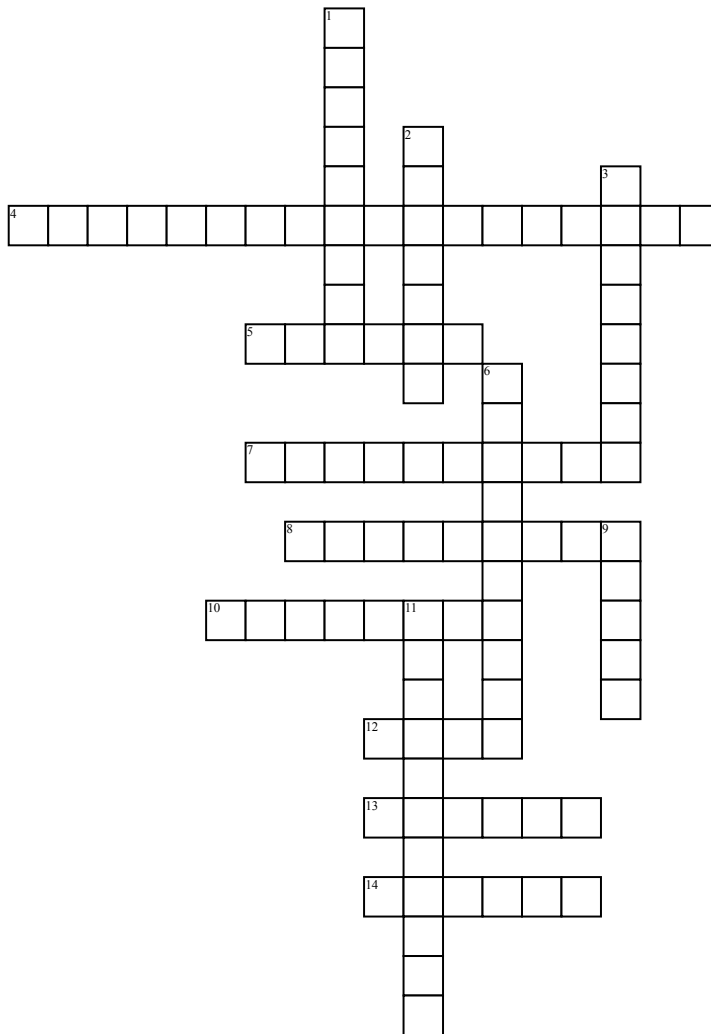


Trigonometry Crossword Puzzle



Across

- 4. square of the hypotenuse (the side opposite the right angle) is equal to the sum of the squares of the other two sides.
- 5. equal to the ratio of the side adjacent to an acute angle (in a right-angled triangle) to the hypotenuse.
- 7. the longest side of a right triangle, opposite the right angle
- 8. line forming the boundary of a closed geometric shape

- 10. when two angles have a common side and a common vertex (corner point) and don't overlap.
- 12. the trigonometric function that is equal to the ratio of the side opposite a given angle (in a right triangle) to the hypotenuse.

- 13. a straight line from the center to the circumference of a circle
- 14. a unit of measurement of angles

Down

- 1. triangle that has two sides of equal length

- 2. an angle is the length of the opposite side divided by the length of the adjacent side.
- 3. figure with three straight sides and three angles
- 6. statement believed to be true based on observations
- 9. relative sizes of two or more values
- 11. all three sides are equal in a triangle

Word Bank

- | | | | |
|-------------|---------------------|--------|------------|
| cosine | Pythagorean theorem | radius | hypotenuse |
| isosceles | adjacent | ratio | conjecture |
| sine | triangle | degree | perimeter |
| equilateral | tangent | | |