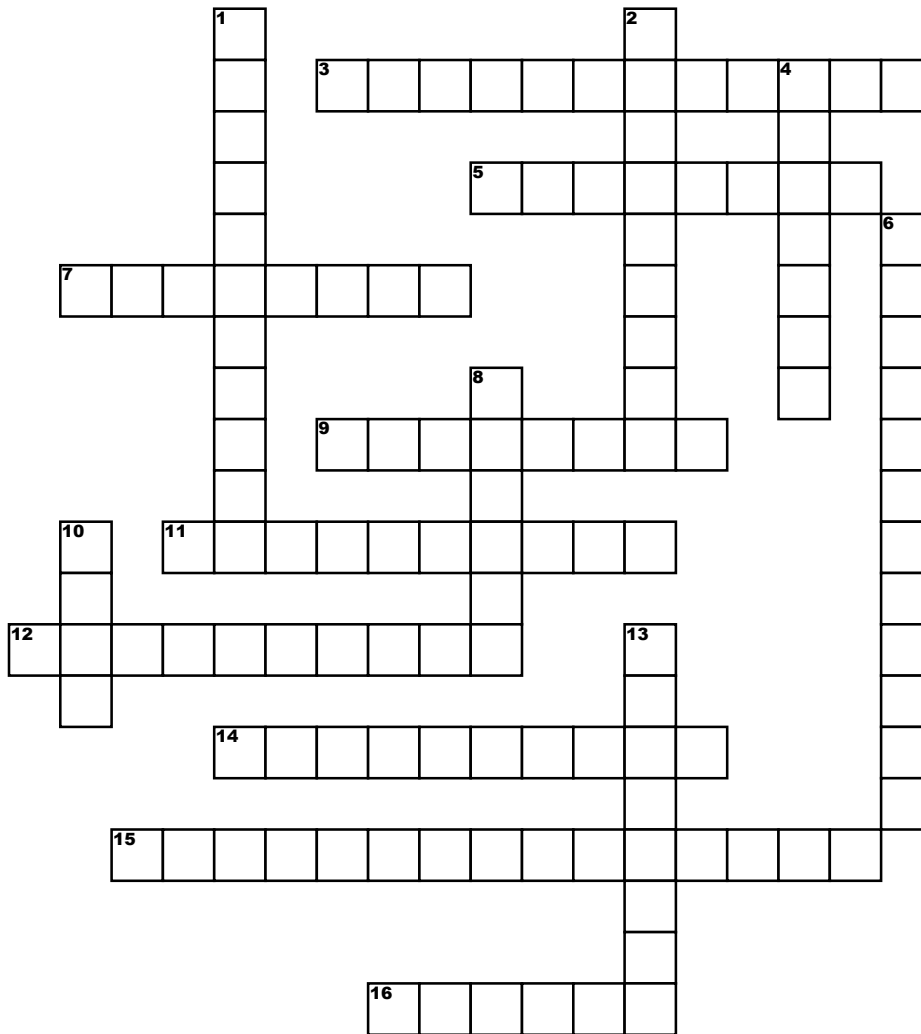


# Pre-Cal Vocab



**Across**

- 3. the relations of the sides and angles of triangles and with the relevant functions of any angles
- 5. the leg of the triangle which makes up part of the angle
- 7. a relation that is always true, no matter the value of the variable
- 9. the leg of the triangle across from the angle
- 11. if a function has an inverse then it is ?
- 12. what is a circle with center ( 0,0 ) on a coordinate plane and radius 1 unit

- 14. the side of a right triangle opposite right angle
- 15. a function that undoes the action of the another function
- 16. the ratio of the hypotenuse to the adjacent side. on the unit circle,  $1/x$  when  $x$  is not 0. 1 over the cosine of the angle.

**Down**

- 1. a function with the symmetry about the origin that satisfies the relationship
- 2. the ratio of the adjacent side to the hypotenuse. on the unit circle,  $x/y$  when  $y$  is not 0. 1 over the tangent of the angle

- 4. the ratio of the opposite side to the adjacent side. on the unit circle  $y/x$  when  $x$  is not 0
- 6. a function with symmetry about the  $y$ -axis that satisfies the relationship
- 8. the ratio of the adjacent side to the hypotenuse. on the unit circle,  $x$ .
- 10. the ratio of the opposite side to the hypotenuse. On the unit circle,  $Y$ .
- 13. the ratio of the hypotenuse of the opposite side. on the unit circle,  $1/y$  when  $y$  is not 0. 1 over the the cosine of the angle

**Word Bank**

- |             |               |            |                  |
|-------------|---------------|------------|------------------|
| tangent     | even function | hypotenuse | inverse function |
| adjacent    | trigonometry  | cosine     | secant           |
| invertible  | identity      | sine       | opposite         |
| unit circle | odd function  | cotangent  | cosecant         |