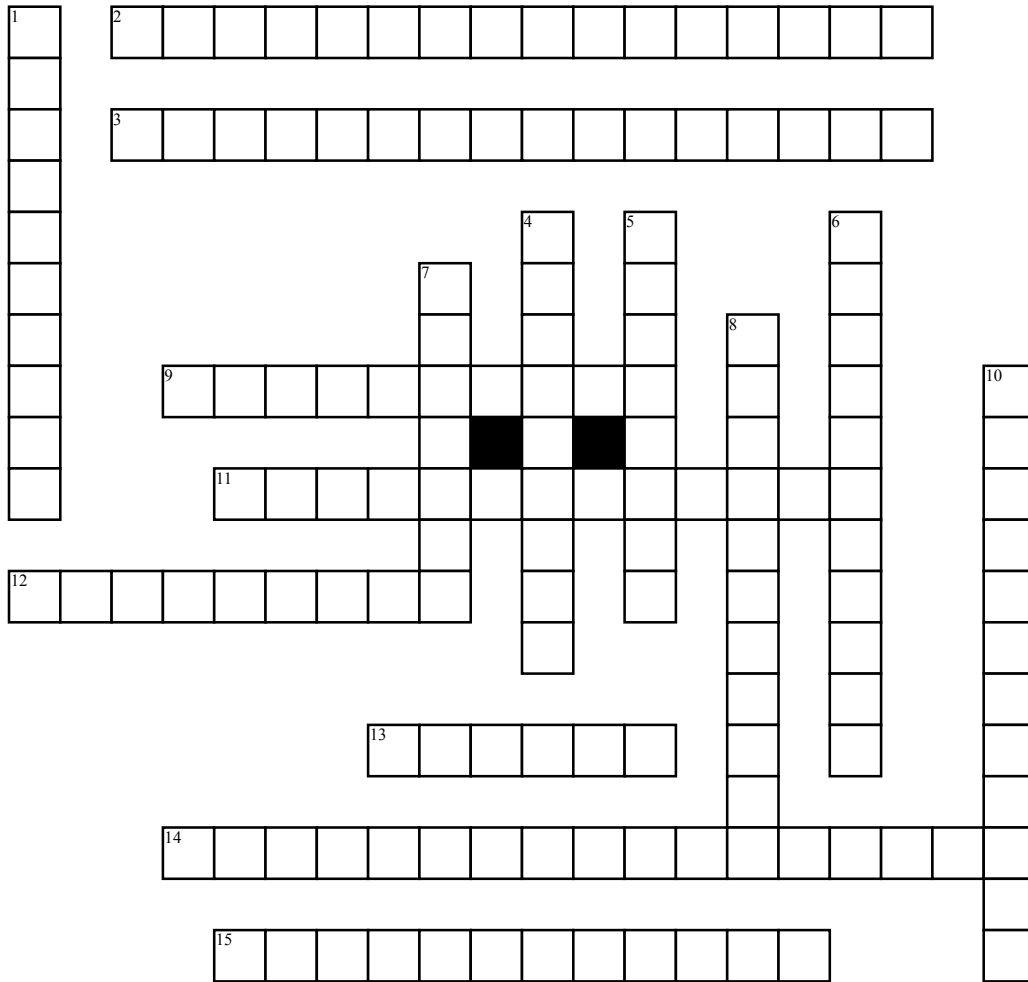


Pre-Cal



Across

- 2. angles in standard position that have the same initial and terminal sides, but different measures
- 3. the angle formed by a horizontal line and an observer's line of sight to an object above
- 9. a wave whose amplitude decreases, such as the graph of a damped triangle
- 11. In a damped trigonometric function of the form $y = f(x) \sin bx$ or $y = f(x) \cos bx$, $f(x)$ is the
- 12. half the distance between the maximum and minimum values of a sinusoidal function

- 13. in a right triangle with acute angle θ , the ratio comparing the length of the side adjacent to θ and the hypotenuse.
 - 14. the angle formed by a horizontal line and observer's line of sight of an object below
 - 15. the rate at which an object moves along a circular path
- Down**
- 1. if triangle ABC has side length $a, b,$ and c respectively the lengths of the sides opposite the angles with measures $A, B,$ and C respectively, then $\sin A/a = \sin b/b = \sin c/c$
 - 4. in a right triangle with acute angle θ , the ratio comparing the length of the adjacent side to θ and side opposite θ .

- 5. in a right triangle with an acute angle θ , the ratio comparing the length of the hypotenuse to the side opposite θ
- 6. the rate at which an object rotates about a fixed point
- 7. a horizontal axis that is the reference line about which the graph of a sinusoidal function oscillates
- 8. the starting position of a ray when forming an angle
- 10. if triangle ABC has side length $a, b,$ and c respectively the lengths of the sides opposite the angles with measures $A, B,$ and C respectively.

Word Bank

- | | | | |
|--------------|-------------------|----------------|---------------------|
| damped wave | coterminal angles | cotangent | angle of depression |
| secant | amplitude | law of cosines | angular speed |
| linear speed | cosine | initial side | angle of elevation |
| law of sines | midline | damping factor | |