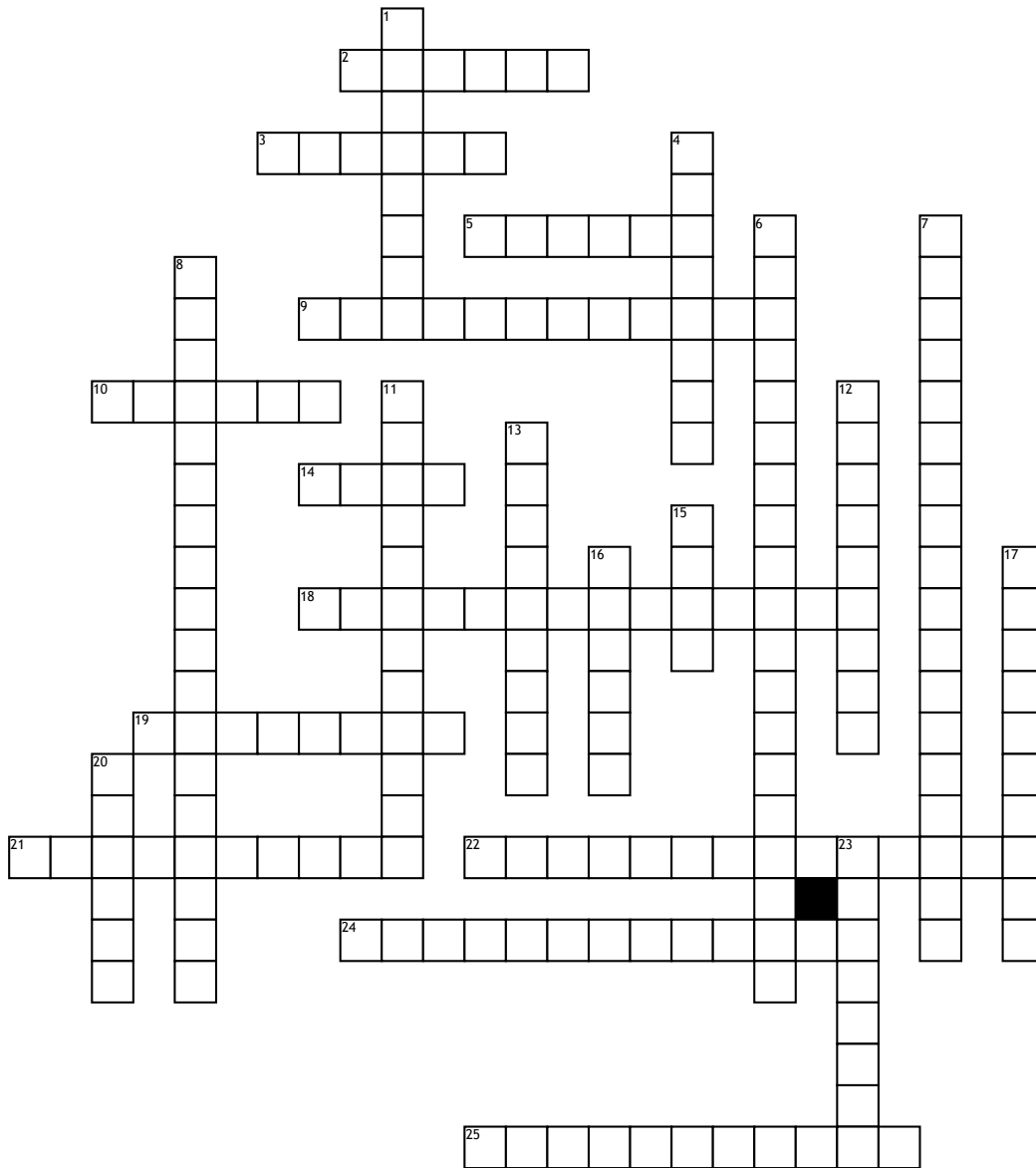


# Pre cal crossword puzzle



**Across**

- 2. The central part in a circle or ellipse
- 3. The function  $y = \sec x$
- 5. The set of all inputs for which a function or relation is defined.
- 9. A system of linear equations
- 10. The distance from a point on a circle to the center of a circle
- 14. The function  $y = \sin x$
- 18. The number of degrees or radians in an angle
- 19. Any one of the four parts in which a plane is divided into
- 21. A 90 degree angle

22. A function that can be written in the form  $f(x) = mx + b$

24. Zeros of a function that are rational numbers

25. An identity involving a trigonometric function of  $u + v$

**Down**

1. A set of ordered pairs of real numbers

4. A letter or symbol that stands for a specific number

6. A method of adding a constant to an expression in order to perform a perfect square

7. A function in which  $f(x)$  is a polynomial in  $x$

8. A function of the form  $y = ax^2 + bx + c$

11. An angle whose vertex is the center of a circle

12. Terms in a polynomial that have the same variable part

13. An expression of the form  $\log_b x$

15. The sum of  $n$  numbers divided by  $n$  numbers. Sometimes called average

16. The function  $y = \cos x$

17.  $\sin A/a, \sin B/b, \sin C/c$

20. Unit of measurement followed by the  $^\circ$  symbol

23. The function  $y = \csc x$