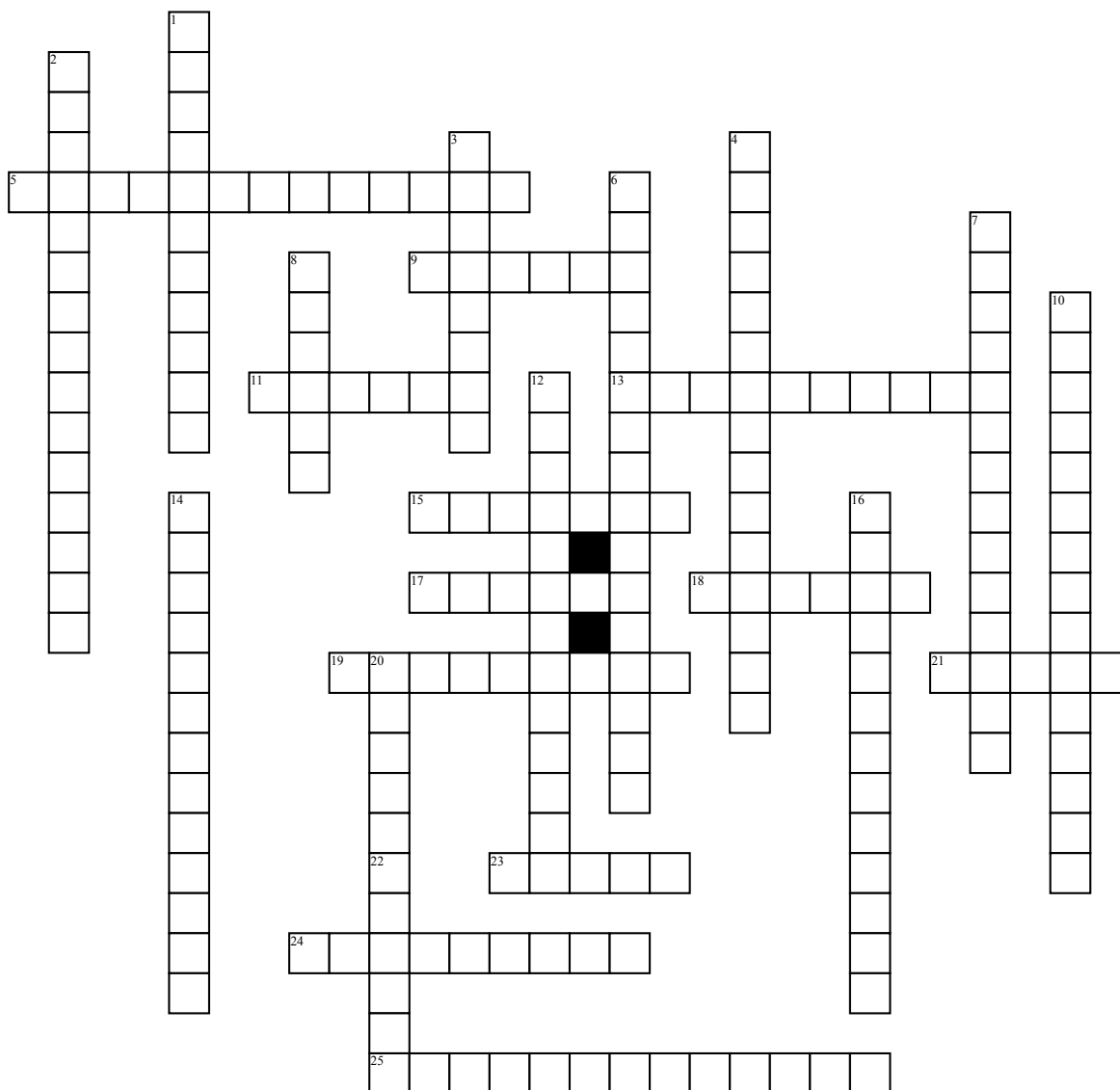


# Pre-Cal crossword puzzle



## Across

5. A combination of simple events, e.g., selecting a blue or green marble from a bag is a compound event.
9. A quantity that involves both magnitude and direction, represented geometrically by a directed line segment or arrow.
11. Maximum value
13. A graph with no breaks, gaps, or holes
15. the name for a graph of the quadratic function
17. The angle made by taking the radius and wrapping it round the circle.
18. Minimum value
19. A line to which the graph of a curve gets increasingly closer but never touches or crosses.

21. A number (or infinity) that a function value approaches but never reaches as the domain values of that function approach a particular value or infinity
22. An irrational number that is approximately equal to 2.718281828459...
23. The set of all allowed outputs for a function or relation.
24. The name for the graph of the reciprocal function
25. Making predictions by extending a graph that shows a trend beyond the range of the data available.

## Down

1. measures of triangles
2. Determines the general form of the expansion of  $(x + y)^n$
3. On a graph, the distance between one point and another, usually represented by numerical values.

4. The highest point over the entire domain of a function or relation is
6. The test by which a relation is either shown to be a function or not.
7. A change in the location or specific shape of a parent function
8. The set of all allowed inputs for a function or relation.
10. The lowest point over the entire domain of a function or relation is
12. Data that involve exactly two variable
14. The process of finding an unknown value between data points using known data points.
16. A number of the form  $a + bi$ , where  $a$  is a real number and  $bi$  is the imaginary number.
20. A set of all possible outcomes in a probability experiment.