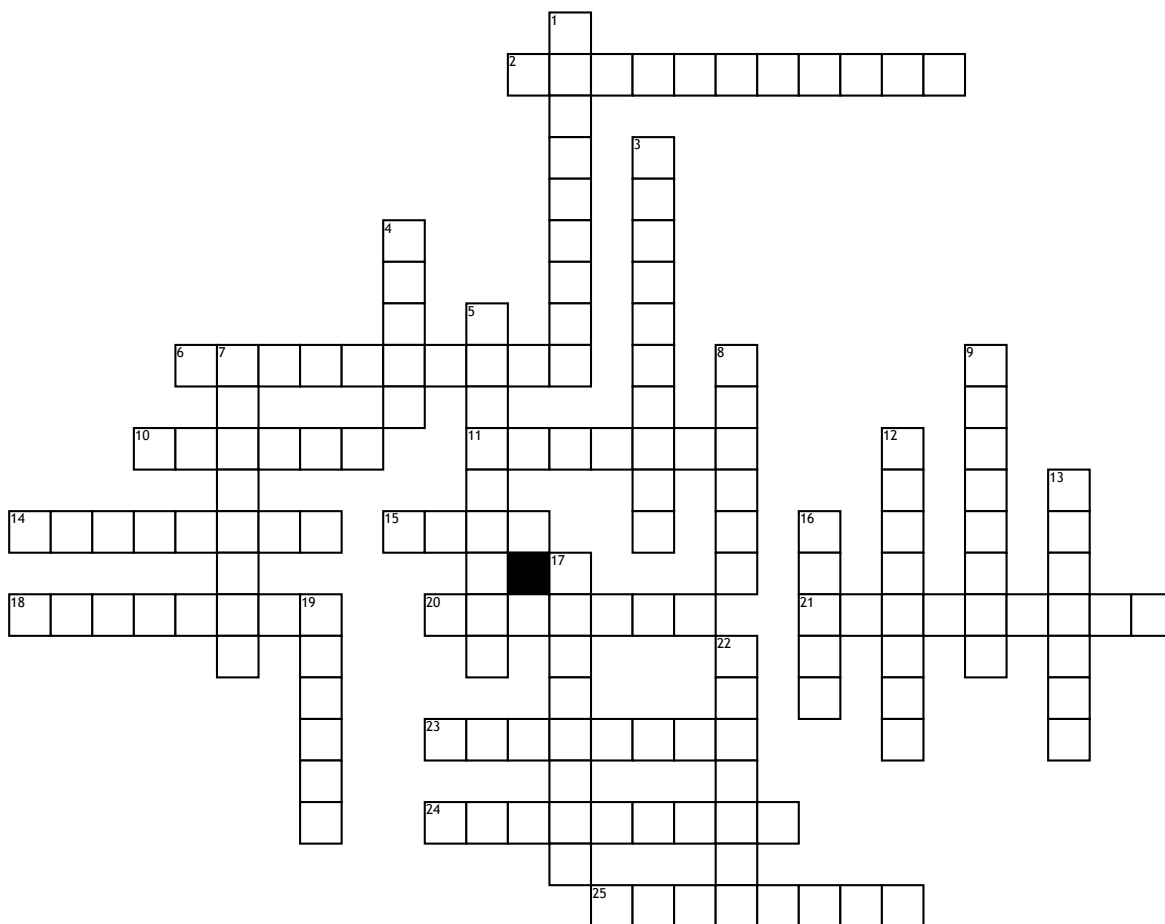


Name: _____

Date: _____

Pre Cal



Across

2. a course in mathematics that prepares a student for calculus.

6. the relation of two lines at right angles to one another (perpendicularity), and the generalization of this relation into n dimensions;

10. the measure of the amount of space inside of a solid figure, like a cube, ball, cylinder or pyramid.

11. the part of mathematics in which letters and other general symbols are used to represent numbers and quantities in formulae and equations.

14. The determinant obtained by deleting the row and column of a given element of a matrix or determinant.

15. The horizontal number line and the vertical number line on the coordinate plane

18. a quadric surface obtained by rotating an ellipse about one of its principal axes;

20. Relating to a mathematical operation whose nature or effect is the opposite of another operation.

21. A whole number that can be divided evenly by numbers other than 1 or itself

23. a relationship or expression involving one or more variables.

24. the product of an integer and all the integers below it

25. a curve that describes the shape of a flexible hanging chain or cable—the name derives from the Latin catenaria

Down

1. A algebraic expression consisting of three words

3. Referred to as a element in a monoid or a unit ring

4. The difference between the lowest & highest values

5. a property, held by a class of mathematical objects, which remains unchanged when transformations of a certain type are applied to the objects.

7. A collection of ordered pairs containing one object from each set

8. A ? is a real number.

9. a motion of a certain space that preserves at least one point.

12. An algebraic expression consisting of one term

13. In math, this adjective refers to geometric lines or planes that are not parallel or perpendicular to a line or surface.

16. The set of all points that share a property

17. defined as the rate of travel of an object, along with its direction.

19. The set of values of the independent variables for which a function or relation is defined

22. Curved inwards. Example: A polygon