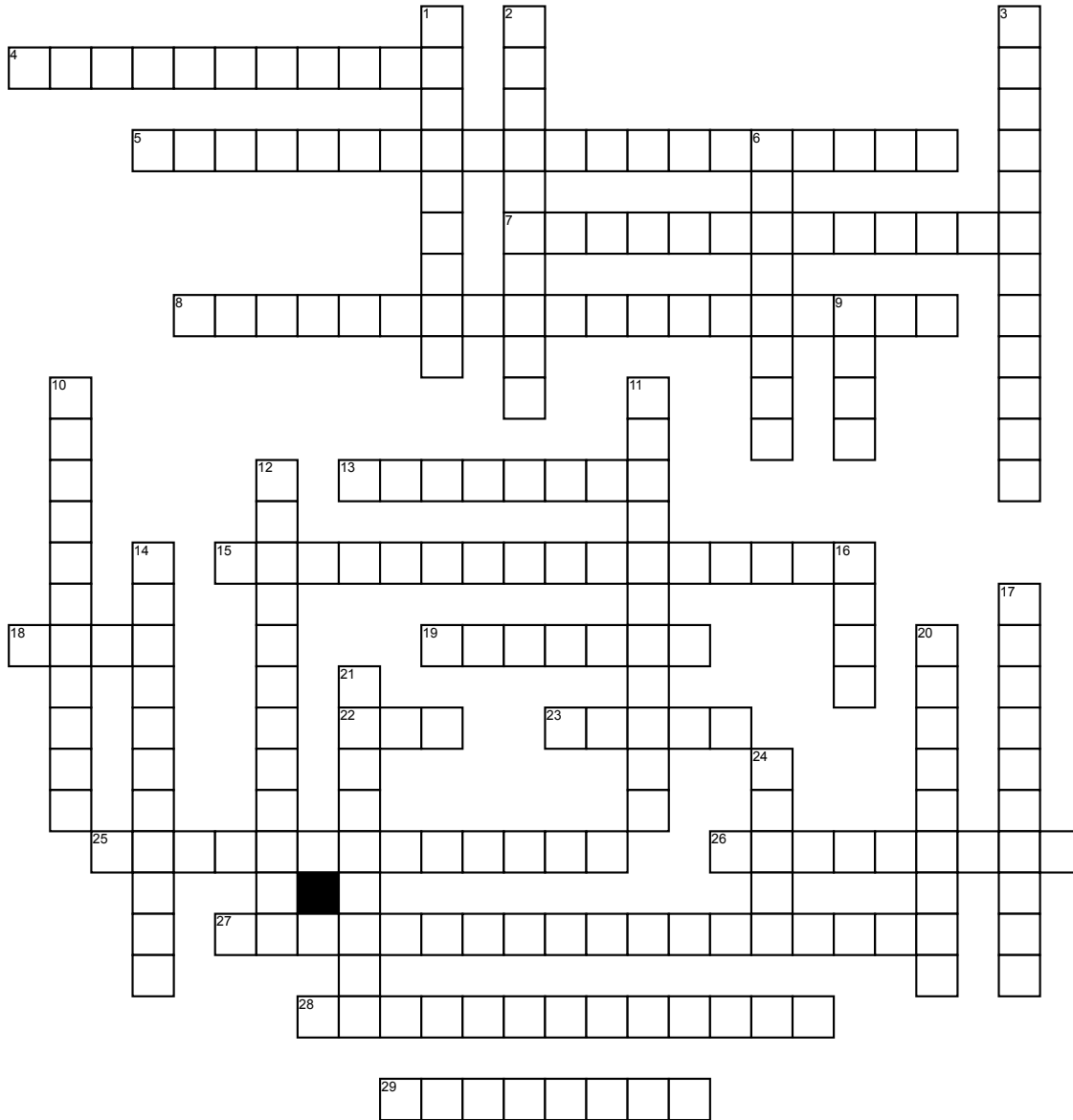# AP Calculus

Across

4. The lowest point in a particular section of a graph.

5. Determines whether the function is concave down, or neither at a point

7. The distance between a number and the origin.

8. Determines whether a point is a minimum, maximum, or neither.

13. As a noun, it means the integral of a function. As an adjective, it means "in the form of an integer.

15. An integral which is evaluated over an interval.

18. the slope of a horizontal line

19. A shape or solid which has an indentation or "cave".

22. the graph of an _____ function is symmetric with respect to the origin

23. The value that a function or expression approaches as the domain variable(s) approach a specific value.

25. A point (x, y) on the graph of a function at which the derivative is either 0 or undefined.

26. The formula for finding the derivative of a power of a variable.

27. The family of functions that have a given function as a common derivative.

28. An approximate calculation of quantity or degree or worth.

29. A relation for which each element of the domain corresponds to exactly one element of the range.

Down

1. the slope of a vertical line is _____

2. A function which gives the slope of a curve; that is, the slope of the line tangent to a function.

3. A formula for the derivative of the quotient of two functions.

6. An extreme value of a function. In other words, the min and max of a function.

9. the graph of an _____ function is symmetric with respect to the y-axis

10. A graph or part of a graph which looks like an upside-down bowl or part of an upside-down bowl.

11. The highest point in a particular section of a graph.

12. Symmetric with respect to the y-axis.

14. A formula for the derivative of the product of two functions.

16. A collection of an infinite number of points in a straight pathway with unlimited length and having no width.

17. A line which passes through at least two points of a curve.

20. A method for finding the derivative of a composition of functions.

21. A graph or part of a graph which looks like a right-side up bowl or part of an right-side up bowl.

24. Change of steepness in a graph.