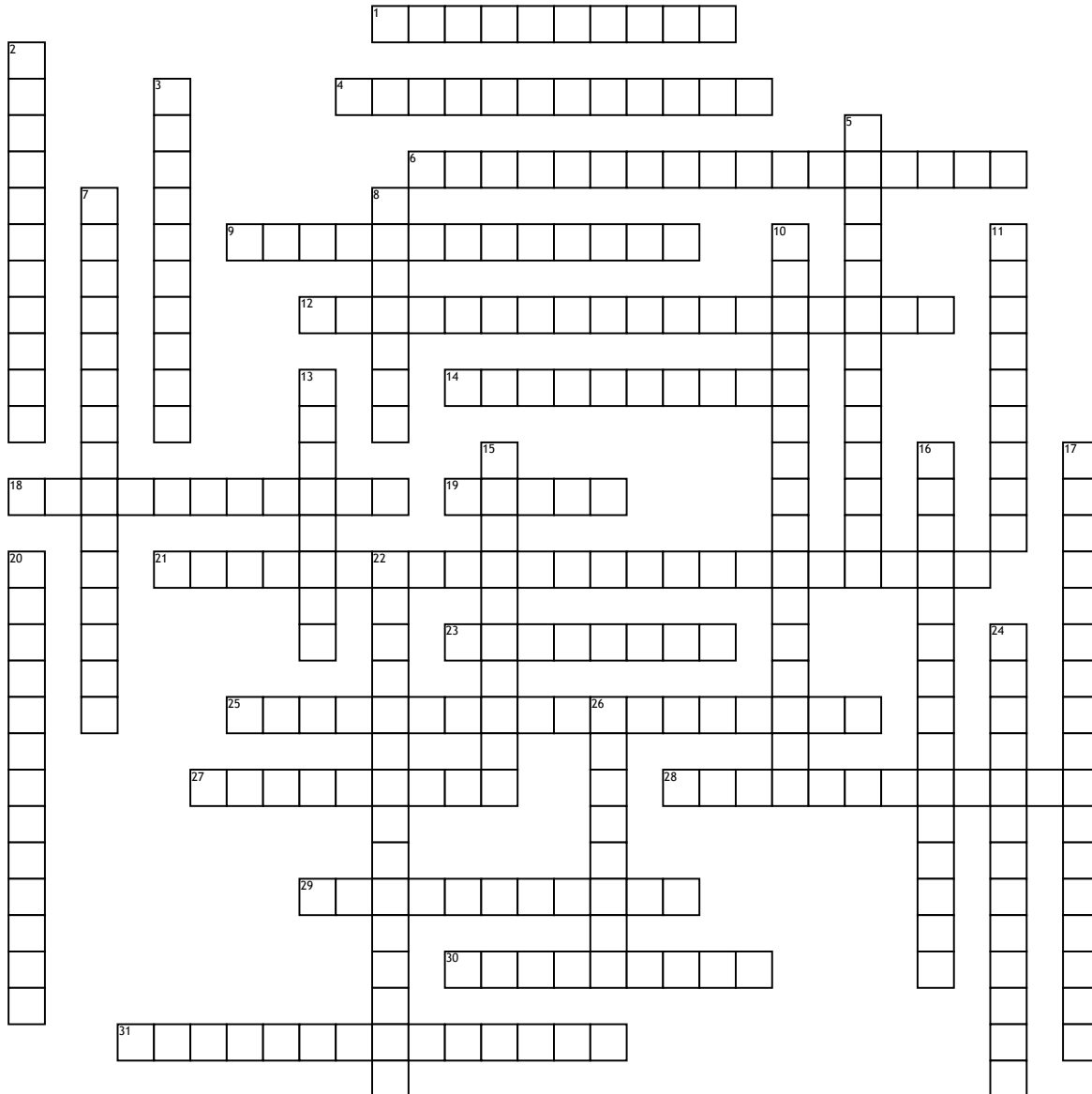


Calculus Crossword Puzzle



Across

1. a technique for finding the volume of a solid of revolution
4. the rate of change of velocity over time
6. a discontinuity for which the graph steps or jumps from one connected piece to another
9. a process using derivatives that can often be used to find zeros
12. a function of a graph that goes down as it is followed from left to right
14. any mathematical calculation
18. combining two functions by substituting one function in place of each x in the other function
19. ancient Greek letter that represents change in
21. a method for finding the derivative of an implicitly defined function
23. the branch of math dealing with limits, derivatives, and integrals

25. a function of a graph that goes up as it is followed from left to right
27. a line or curve that the graph of a function approaches more and more
28. the process of finding an integral
29. a line that touches a point of a curve without crossing over it
30. a method for finding the derivative of a composition of functions
31. a curve that is smooth and contains no discontinuities or cusps

Down

2. a part of a graph which looks like an upside-down bowl
3. a line which passes through at least two points of a curve
5. a limit that goes to infinity or negative infinity
7. the lowest point over the entire domain of a function
8. a shape which has an indentation or cave

10. a derivative of a derivative
11. a part of the graph that looks like a bowl
13. a "number" which indicates a quantity larger than any real number
15. a function which gives the slope of a curve
16. the highest point over the entire domain of a function
17. an integral which is evaluated over an interval
20. a point at which the graph of a function is not connected
22. a point at which a curve goes from concave up to concave down, or vice versa
24. a technique used to evaluate limits of fraction to the indeterminate form
26. a relation for which each input has an output