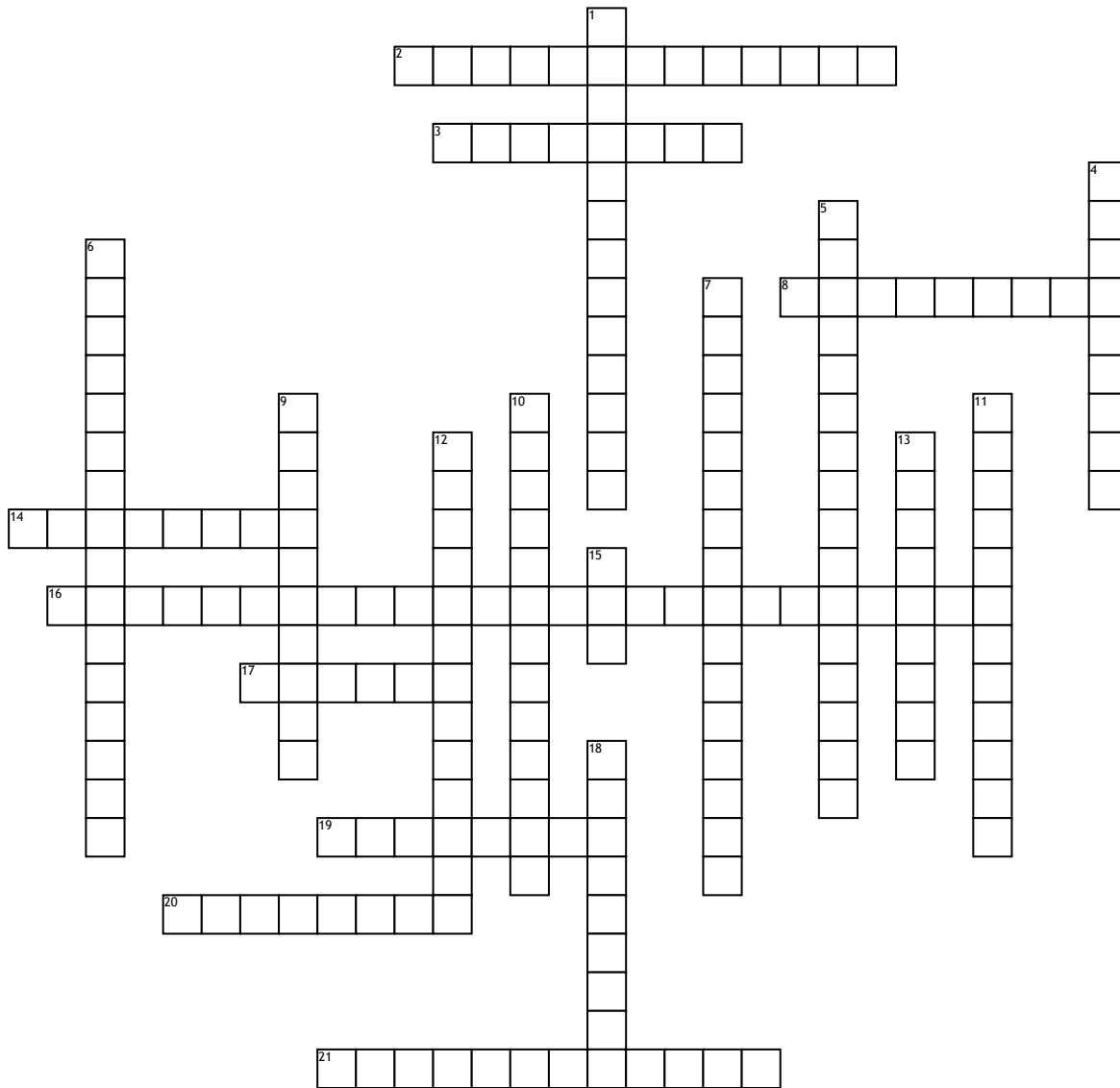


Calculus Crossword



Across

2. A technique used to evaluate limits of fractions that evaluate to the indeterminate expressions $0/0$

3. A line segment, line, or plane that divides a geometric figure into two congruent halves

8. For a substance decaying exponentially, the amount of time it takes for the amount of the substance to diminish by half

14. A u-shaped curve with certain specific properties

16. The rate of change at a particular moment. Same as the value of the derivative at a particular point.

17. Cut into two congruent halves

19. The rate of change of the position of an object

20. The branch of mathematics dealing with limits, derivatives, definite integrals, indefinite integrals, and power series.

21. vector distance from the initial point to the final point

Down

1. A point at which the graph of a relation or function is not connected

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

5. A major theorem of calculus that relates values of a function to a value of its derivative

6. Complex numbers with no real part

7. The logarithm base e of a number.

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

10. An integration method that essentially involves using the chain rule in reverse

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

12. Cannot draw graph without picking up pencil, whole in graph

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

15. A part of a line starting at a particular point and extending infinitely in one direction

18. A line or curve that the graph of a relation approaches more and more closely the further the graph is followed