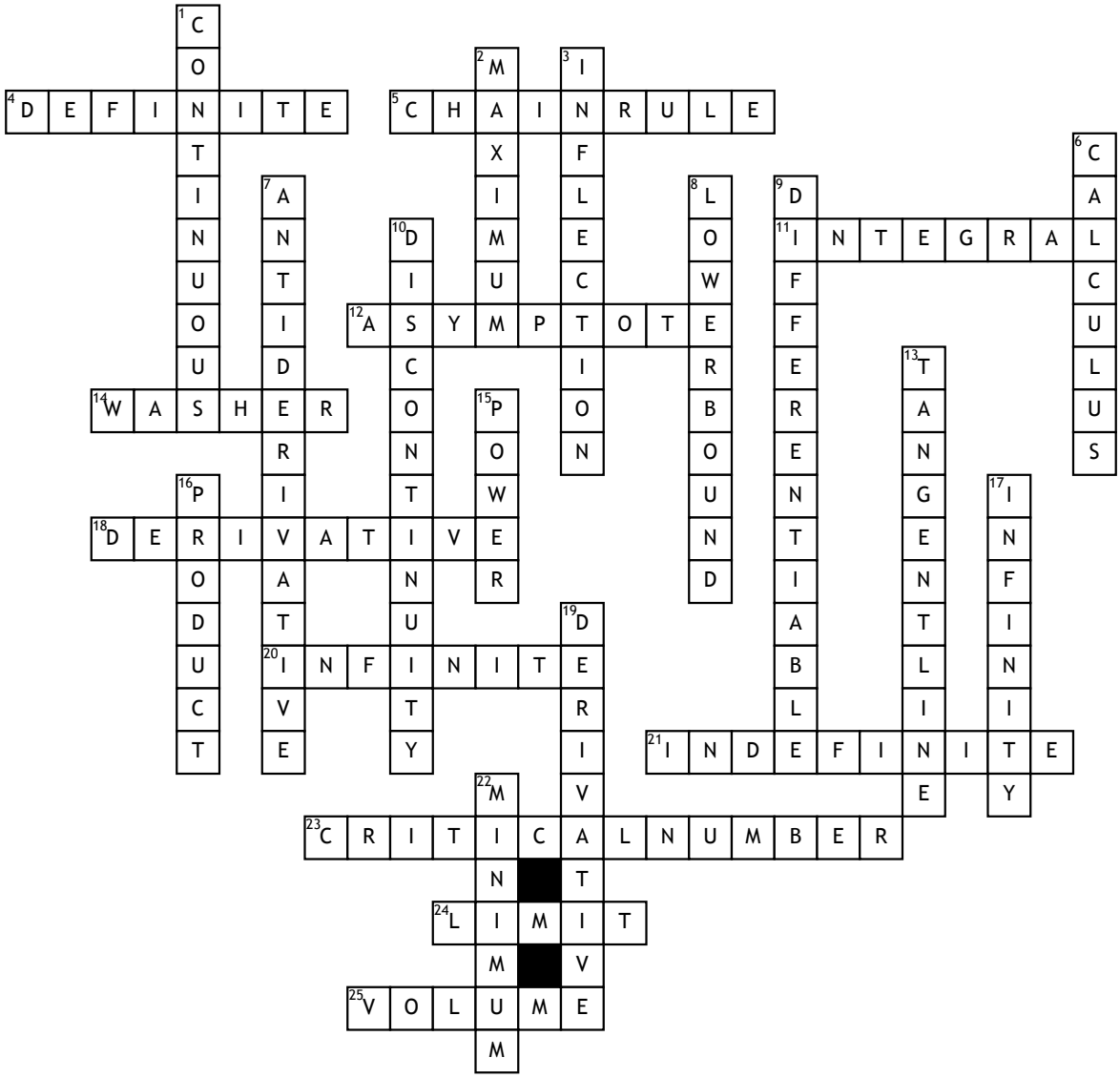
Name: _____

Calculus Crossword Puzzle



Across

4. An integral evaluated between limits of integration
5. find the derivative of a composite function
11. A specific function in calculus.
12. A line that a function approaches without actually reaching the line as the domain either grows unbounded or approaches a limit.
14. integrating a volume of revolution in calculus employs a thin, hollow disk as the partition of integration
18. lope of the line tangent to a function.
20. having no bounds or boundary
21. An integral with no limits of integration, an Indefinite Integral, can be thought of an an antiderivative.
23. taking the derivative and putting it equal to zero, you find this
24. a bound beyond which they may not realize
25. The extent to which an object fills units of three-dimensional space

Down

1. graph has no gaps, no holes, no steps, and no cusps or discontinuities.
2. The highest point on a graph
3. where the curve begins to "bend the other way."
6. the class we are in right now
7. function that reverses what the derivative does
8. some functions are limited on the low side
9. function is smooth and continuous
10. When a function is literally not continuous because of a gap, a step, a hole, or any kind of "break"
13. touches the graph of the function at a single point.
15. a simple rule in calculus to determine the derivative of a monomial.
16. An algorithm within the calculus to find the derivative of the Product of two functions. Also a type of rule
17. That without bound; limitless.
19. is the slope of the line tangent to a function
22. The lowest point on a graph