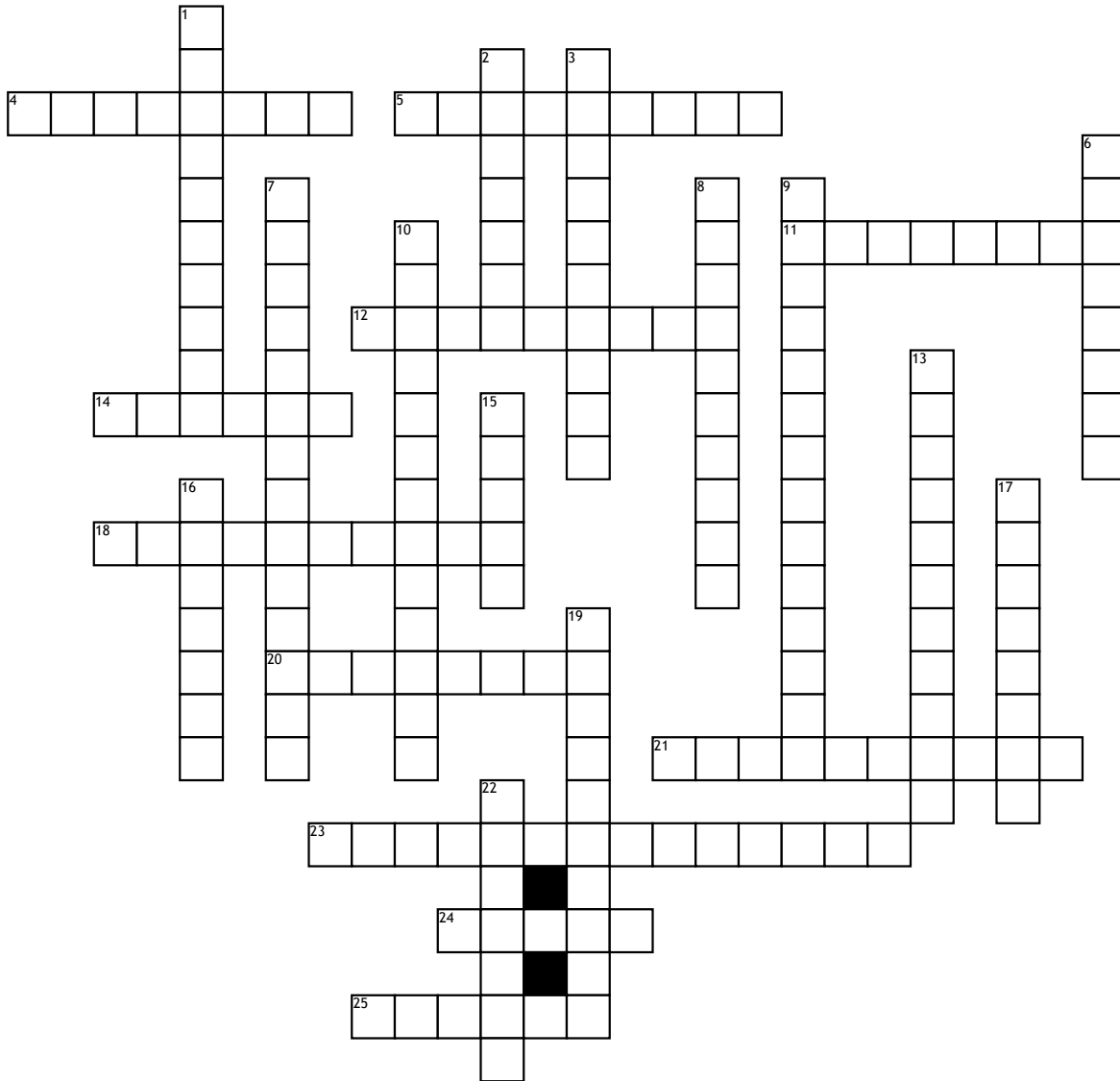


Name: _____

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 as 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