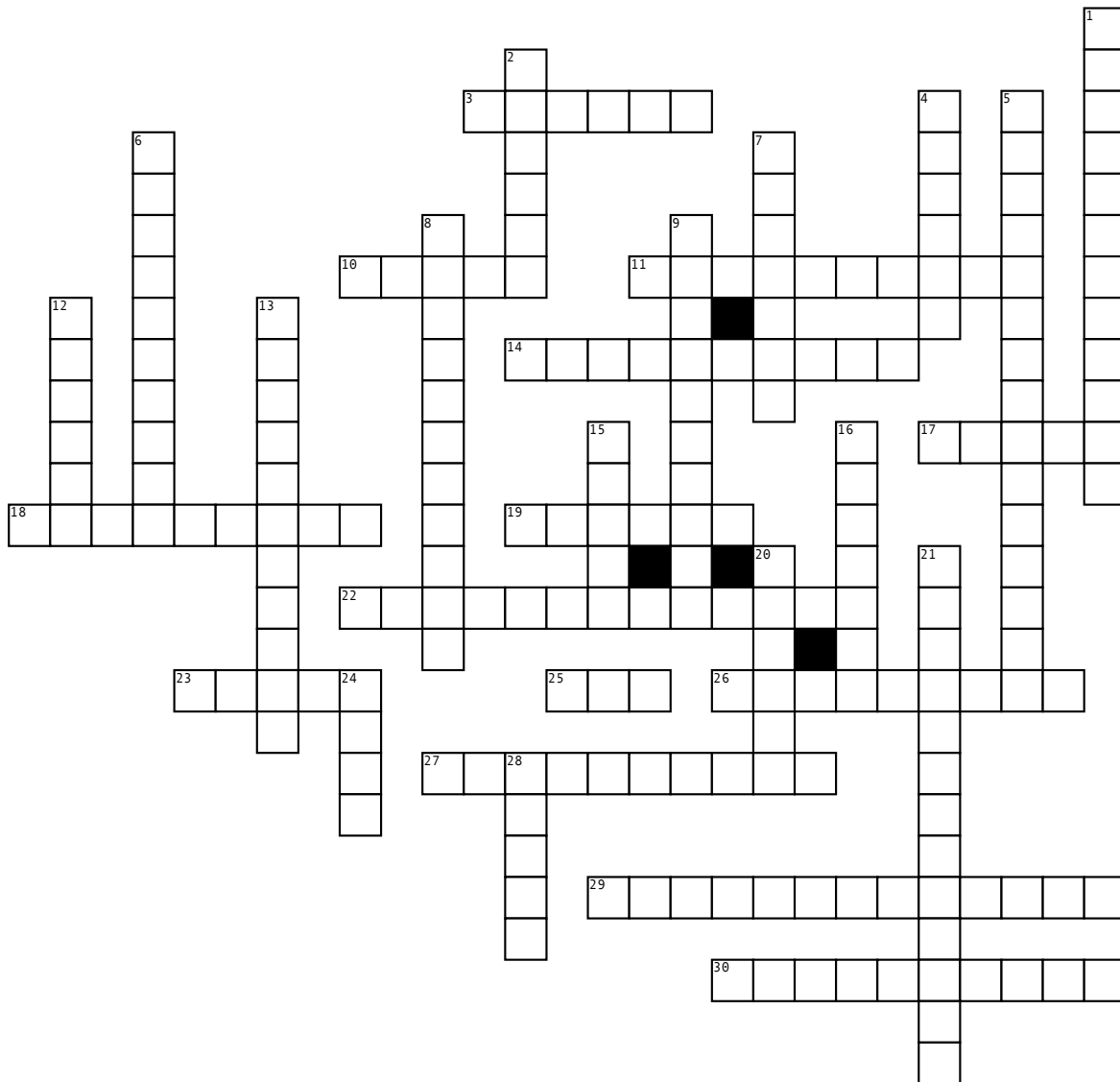


Name: _____ Date: _____ Period: _____

AP Calculus Crossword



Across

- 3. What type of line is perpendicular to the tangent line?
- 10. A word used to describe any path, whether actually curved or straight.
- 11. a slope of tangent line
- 14. The distance a function is from the axis
- 17. the rate of change of with respect to x
- 18. the slope of a vertical line is
- 19. The set of x-values of a function
- 22. This Theorem states that there has to be at least one value between a and b at which the derivative is 0.
- 23. The set of y-values of a function
- 25. the graph of an _____ function is symmetric with respect to the origin
- 26. A line or curve that the graph of a relation approaches more and more closely the further the graph is followed
- 27. When something is losing value it is
- 29. This is a point on the graph of a function that has either a derivative of zero or is undefined. Will often be a maximum or minimum
- 30. The definite way to simplify evaluations of limits

Down

- 1. Problems in which rates of change are related by means of differentiation
- 2. The total amount of space enclosed in a solid
- 4. This is the set of x-values for which a function is defined
- 5. Where the function changes from concave up to concave down.
- 6. A circle whose center is at the origin and has a radius of one
- 7. The highest point on a graph
- 8. $=1D2+2D1$
- 9. $f'(x)$ is the _____ of $f(x)$
- 12. inverse of tan
- 13. A line that touches a curve at a point without crossing the curve
- 15. The value that a function or expression approaches as the domain variables approach a specific value
- 16. Highest Point on a graph
- 20. inverse of sin
- 21. the relative maximum and minimum points of the parent function
- 24. the graph of an _____ function is symmetric with respect to the y-axis

- 28. A word used to describe any path, whether actually curved or straight.