Name: _____   Date: _____

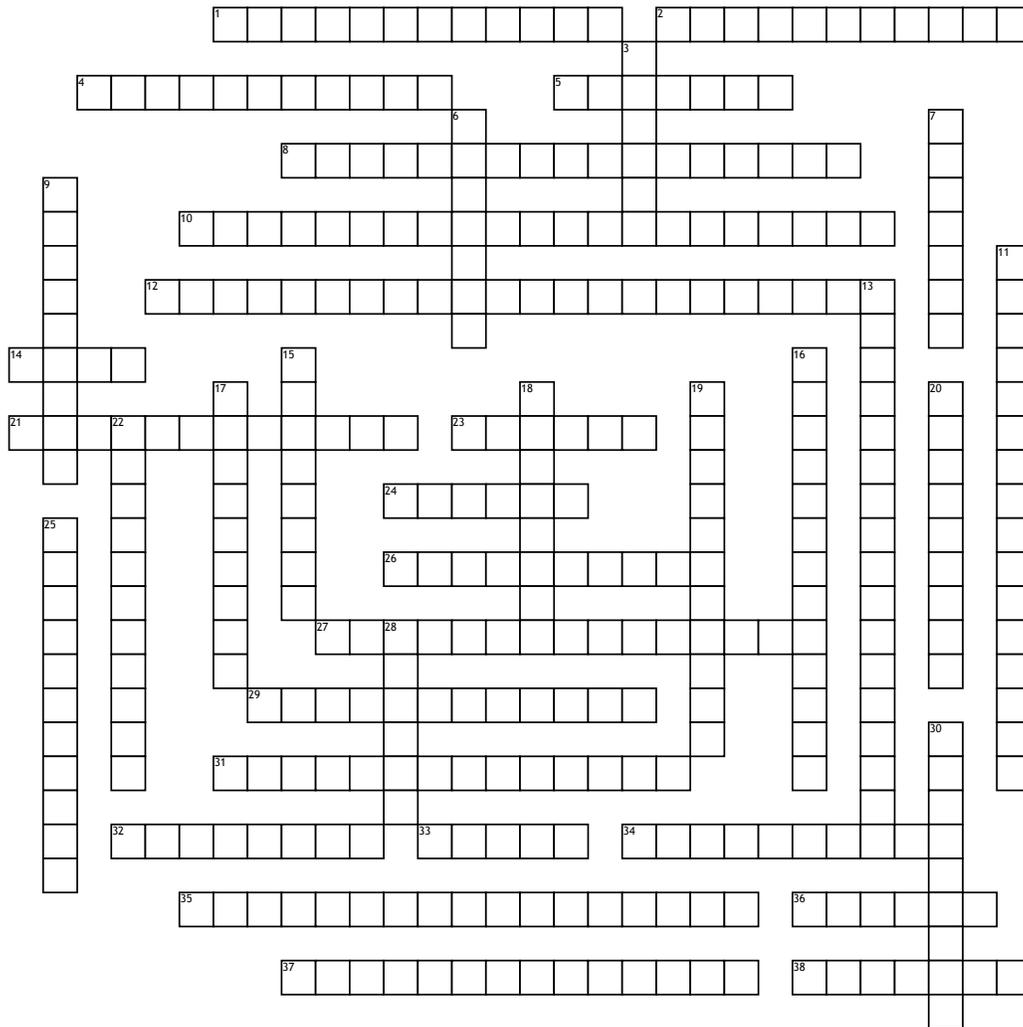# Calculus Crossword

Across

1. Quantity of f(x)

2. A non negative number

4. Constant Solutions

5. Two points in the same plane

8. Points on the graph where concavity changes

10. Rate at which interest, if compounded annually, would have to be paid to produce the same yearly

12. Functions built from sinx and cosx

14. A parametric curve

21. The bottom times the derivative

23. Points corresponding to 0

24. Distance from P to Q

26. Number represented by a decimal

27. Function of g(x)

29. Distance between initial points and end points

31. Quantity of x that we are trying to predict

32. A real number represented by a function

33. Values of x where the graph intersects the x-axis

34. Numbers that are not rational

35. Defined by a quadratic polynomial

36. How real numbers are referred to

37. Set of all real numbers x such that a<_x<_b

38. A sequence bounded from above and below

Down

3. Another word for "real numbers"

6. Center of mass expressed in terms of quantities

7. Compressing or expanding the graph in vertical or horizontal directions

9. Average value of a function

11. A curve is the graph of the function if and only if every vertical line x=a intersects the curve in at most one point

13. Standard notation for writing sums in compact form

15. Two vectors of non zero length if lines are in line with

16. A break in the wire

17. Function f(x) appearing in the integral sign

18. Length between two real numbers

19. Process of computing integrals

20. A sequence that is not bounded

22. Moving the graph horizontally or vertically

25. First function times the derivative of the second function plus the second function times the derivative of the first function

28. BaseXWidthXHeight

30. Vertical size of a graph

Word Bank

Effective interest rate	Length	Zeros	Product rule	Whole number	Vertical Line Test
Origin	Trigonometric functions	Points	Rational	Displacement	Parallel
Irrational	Quadratic function	Distance	Point of inflection	Quotient rule	Translation
Bounded	Discontinuity	Equilibrium	Summation notation	Integrand	Moments
Unbounded	Scaling	Vector V	Path	Mean Value	Scalar
Random Variable	Closed interval	Volume	Inverse function	Integration	Amplitude
Real number	Discriminant				

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