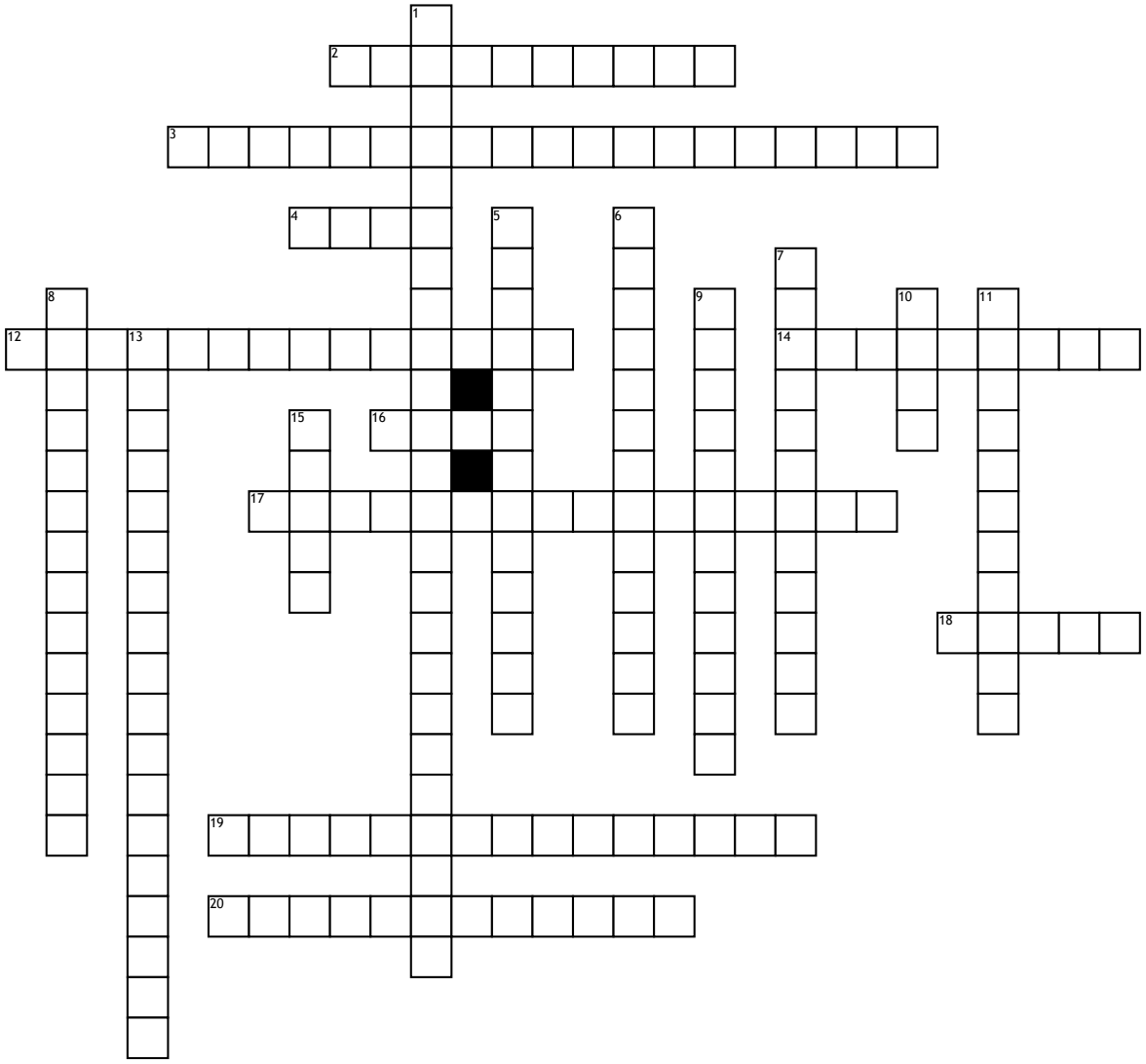
Name: _____ Date: _____ Period: _____

Calculus Crossword



Across

2. 1. lim x→c f(x) exists. 2. f(c) exists. 3. lim x→c f(x) = f(c)

3. If f is continuous on the closed interval [a, b], then f has both a maximum and a minimum on the interval.

4. Left-hand endpoint approximation

12. Best day of the year other than pi day

14. d/dx f(g(x)) = f'(g(x)) g'(x)

16. The integral on (a, b) of f(x) dx = F(b) - F(a)

17. f'(c) = (f(b) - f(a))/ (b - a)

18. Another way to spell something that holds or supplies oil.

19. A point in the interior of the domain of a function f at which f' = 0

20. Low d'high minus high d'low all over the square of what's below

Down

1. If f is continuous on the closed interval [a,b] and k is any number between f(a) and f(b) then there is at least one number c in [a, b] such that f(c) = k

5. a point in the interior of the domain of a function f at which f' = 0 or f' does not exist

6. Let f be continuous on the closed interval [a, b] and differentiable on the open interval (a, b). If f(a) = f(b) then there is at least one number c in (a, b) such that f'(c)= 0

7. derivative of velocity

8. logistic differential equation

9. Second derivative of position

10. derivative of -cosx and antiderivative of cosx

11. d/dx (f(x) g(x)) = f(x)g'(x) + g(x) f'(x)

13. uv − ∫ vdu dx

15. Absolute value of velocity

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