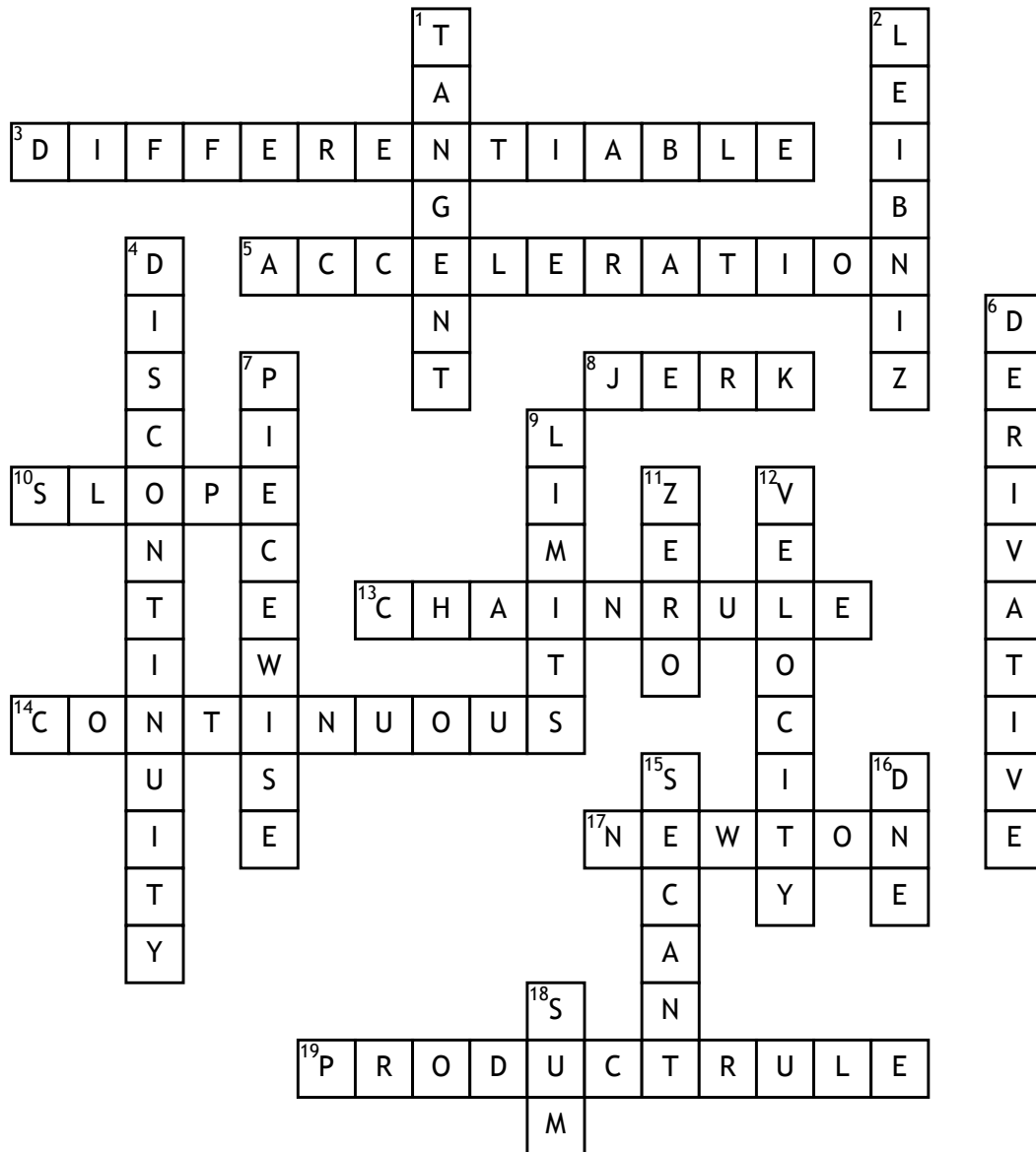


Calculus Crossword #1



Across

3. A function is _____ at a if $f'(a)$ exists
5. Second derivative of the position function
8. Third derivative of the position function
10. The rate of change of y with respect to x
13. Used to compute the derivative of a composite function
14. If the limit of a function as it approaches a exists and is equal to $f(a)$, the function is _____

17. First person credited with developing calculus

19. The first times the derivative of the second plus the second times the derivative of the first

Down

1. A line that touches a function at one point
2. Was less well-known for developing calculus
4. If a function is not continuous at a , f has a _____ at a
6. Slope of the tangent at a point

7. An absolute value function is an example of a _____ function

9. The limit of a product is the product of the _____

11. The derivative of a constant

12. First derivative of the position function

15. A line that crosses a function at two points

16. If the left-hand limit and the right-hand limit of a function as x approaches a are not equal, then the limit _____

18. The limit of a sum is the _____ of the limits