

Calculus Problems:

- 1N The field of mathematics that deals with differentiation and integration is called _____.
- 2W The _____ of a function exists if the right-hand limit and the left-hand limit both exist and are equal to each other.
- 3E The instantaneous rate of change of a function with respect to the variable is called the _____.
- 4W The derivative of a _____ function is always a constant.
- 5N When a function can not be defined explicitly, it is best to use _____ differentiation.
- 6W The line perpendicular to the tangent line is called the _____.
- 7W The derivative of a function at a point is the slope of the _____ line at that point.
- 8W The points on a curve where the value is greater than that of the surrounding points is called a relative _____.
- 9S The points on a curve where the value is less than that of the surrounding points is called a relative _____.
- 10S A point on the curve where the concavity changes is called a Point of _____.
- 11N A function is _____ down if $f''(x) < 0$.
- 12E $(u v)' = uv' + vu'$ is called the _____ rule.
- 13S The derivative of $\sin(x)$ with respect to x is the _____ of x .
- 14S The set of all possible values of the argument of a function is called the _____.

Many thanks to Nacoe Thomas for finding the error in 11N. The third derivative should have been a second derivative and is now correct.