

# maths assignment

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## 1 Introduction

The expansion of one-variable calculus to calculus with functions of many variables, or the differentiation and integration of functions containing multiple variables as opposed to only one, is known as multivariable calculus (also known as multivariate calculus).

Calculus with many variables can be seen as an introduction to more complex calculus. Check out calculus on Euclidean space for advanced calculus. The term "vector calculus" refers to the specific situation of calculus in three dimensional space. The expansion of one-variable calculus to calculus with functions of many variables, or the differentiation and integration of functions containing multiple variables as opposed to only one, is known as multivariable calculus (also known as multivariate calculus).

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## 2 egtbt

### 2.1