Introduction to Higher Mathematics

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Welcome to Higher mathematics

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Chapter 1

Why We Prove Things

In this chapter I explain why proving things can be useful and how to make use of it in your daily life, career and in the larger context of the universe of knowledge

Chapter 2

Understanding numbers

In this chapter I give an introduction to numbers and how they came about. Then I give some basic examples and exercises of properties of numbers.

Chapter 3

A First Technique

In this chapter I give an analysis of a first technique for proving things as well as a number of examples of how to use the technique.

Chapter 4

Adding To Our List Of Techniques

In this chapter I present more techniques with similar analysis. Here we will review the first technique and show how it can be used in conjunction with the other techniques we will learn.

Chapter 5

The Axiomatic Approach

Chapter 6

Towards A First Theory

Chapter 7

Expanding Our Theory

Chapter 8

Exploring new roads