

# Basic Mathematics

Lecture Notes by Rangi Siebert

October 16, 2023

## Contents

<b>1</b>	<b>Linear Algebra</b>	<b>1</b>
1.1	Vector . . . . .	1
1.2	Matrices . . . . .	1
1.3	Maps . . . . .	1
1.4	Functions . . . . .	1
1.4.1	Linear Functions . . . . .	1
1.4.2	Non Linear Functions . . . . .	1
1.5	Limits . . . . .	1
<b>2</b>	<b>Analysis</b>	<b>1</b>

## 1 Linear Algebra

### 1.1 Vector

A picture is a very big vector.

### 1.2 Matrices

### 1.3 Maps

### 1.4 Functions

#### 1.4.1 Linear Functions

#### 1.4.2 Non Linear Functions

### 1.5 Limits

## 2 Analysis