

# Linear Algebra

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## 1 Introduction

This document is intended to summarize the basic concepts of linear algebra used throughout theoretical computer science.

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## 2 Notation

Notation	Meaning
$\mathbb{R}$	the set of real numbers

### 2.1 Other Notes

- We will not present proofs for most of the theorems mentioned in this document. Instead, it is your responsibility to either derive or look up the proof to understand why a specific theorem holds.

### 3 Vectors

placeholder for a discussion of vectors