CP1 Chapter 6

Matrices

Chapter Overview

1. Understand matrices and perform basic operations (adding, scalar multiplication)

2. Multiply Matrices

3. Find the determinant or inverse of a matrix

4. Solve simultaneous equations using matrices







Introduction

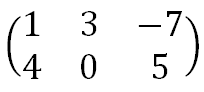
A matrix (plural: matrices) is **simply an ‘array’ of numbers**, e.g.

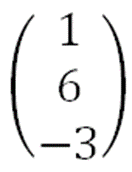
On a simple level, a matrix is just a way to organise values into rows and columns, and represent these multiple values as a single structure.

The dimension of a matrix is its **size**, in terms of its number of **rows** and **columns** (in that order).

Examples:

Matrix Dimension







Matrix Fundamentals

Operations with Matrices

1. Addition and subtraction
2. Scalar Multiplication

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