

LATEX PRACTICE

Leander Melroy Maben

September 28, 2019

Contents

1	Solid Geometry	1
1.1	Cuboid	1
1.1.1	General	1
1.1.2	Cube: A special case	1

Abstract

The aim of this report is to try out different LATEX features.

Chapter 1

Solid Geometry

1.1 Cuboid

1.1.1 General

If l is the length of a cuboid. If b is the breadth of a cuboid. If h is the height of a cuboid.

- Volume:

$$A = lbh \quad (1.1)$$

- Lateral Surface Area:

$$LSA = 2h(l + b) \quad (1.2)$$

- Area:

$$TSA = 2(lb + bh + lh) \quad (1.3)$$

1.1.2 Cube: A special case

A cube is a cuboid which has all three dimensions equal:

- Volume: from eq1.1

$$Volume = a^3 \forall a > 0 \quad (1.4)$$

- Lateral Surface Area: from eq1.2

$$LSA = 4a^2 \quad (1.5)$$

- Area: from eq1.3

$$TSA = 6a^2 \quad (1.6)$$