

Math Notes

Declan-Combley

1 Overview

This pdf contains all of my notes for my extension math class, feel free to use or distribute it in any way.

2 Forewarning

The information in this document may be inaccurate or wrong, and my spelling may be aswel.

Area

Im not going to tell you what area is because if you don't already know that you have bigger things to worry about. The following formulas are all pretty simple and you most likely know all of them aready. But i'm stupid so i'm leaving them in.

1. Squares

Squares are pretty simple.

$$a = l^2$$

2. Rectangles

You never know what you can forget.

$$a = l \times w$$

3. Triangles

Triangles aren't that much more complicated.

$$\frac{b \times h}{2}$$

4. Parallelograms

Just note that h is the vertical height.

$$a = b \times h$$

5. Trapezium

A is the top length and again h is the vertical height.

$$a = \frac{a + b}{2} \times h$$

6. Circle

This should be pretty familiar, just remember that r is the radius, not diameter.

$$\pi r^2$$

Surface Area

A short definition, the amount of area covered by the surface of something (so basically it's name).

1. TSA Of A Cube

$$tsa = 6a^2$$

2. TSA Of A Cylinder

$$2\pi r^2 + 2\pi rh$$