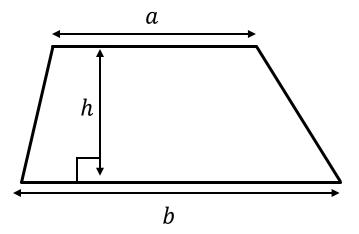
Sum to n terms, $S_n = \frac{n}{2}[2a + (n-1)d]$

The Quadratic Equation

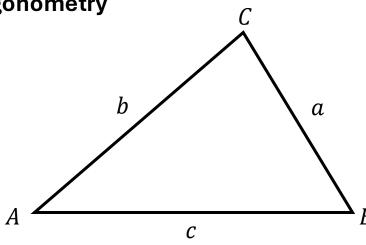
The solutions of $ax^2 + bx + c = 0$ where $a \neq 0$ are given by:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$





Trigonometry



In any triangle ABC

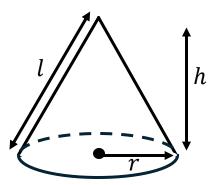
Sine Rule
$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

Cosine Rule $a^2 = b^2 + c^2 - 2bc \cos A$

Area of triangle
$$=\frac{1}{2}ab\sin C$$

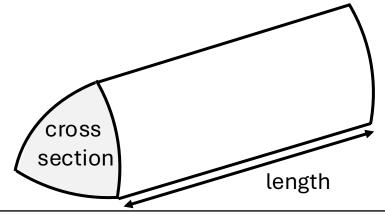
Volume of cone = $\frac{1}{3}\pi r^2$

Curved Surface Area of Cone $=\pi r l$



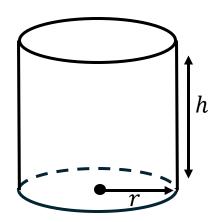
Volume of Prism

= area of cross section \times length



Volume of Cylinder = $\pi r^2 h$

Curved Surface Area of Cylinder $= 2\pi rh$



Volume of Sphere

Surface Aea of Sphere

