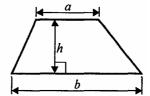
Formulae sheets

EDEXCEL

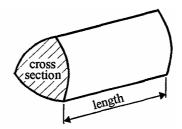
GCSE Mathematics

Formulae sheet —Foundation tier

Area of trapezium = $\frac{1}{2}(a+b)h$



Volume of prism = area of cross-section \times length

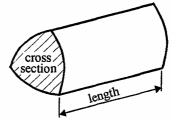


EDEXCEL

GCSE Mathematics

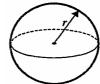
Formulae sheet —Higher tier

Volume of prism = area of cross-section \times length



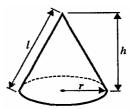
Volume of sphere = $\frac{4}{3} \pi r^3$

Surface area of sphere = $4\pi r^2$

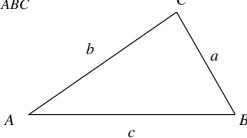


Volume of cone = $\frac{1}{3} \pi r^2 h$

Curved surface area of cone = πrl



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 a triangle = $\frac{1}{2}$ *ab* sin *C*

The Quadratic Equation

The solutions of
$$ax^2 + bx + c = 0$$
, where $a \ne 0$, are given by $x = \frac{-b \pm \sqrt{(b^2 - 4ac)}}{2a}$