# **SUITABLE FOR AQA AND EDEXCEL / FOUNDATION TIER**

## **Formulae to Memorise**

You will not be given these formulae in the exam



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### Formulae given in the Exam You do not need to memorise

these formulae

#### **Volume and Surface Area**



Curved surface area of a cone =  $\pi r I$ 

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



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

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

#### **Kinematics Formulae**

Where a is constant acceleration, *u* is initial velocity, *v* is final velocity, *s* is displacement from the position when t=0 and t is time taken:

$$v = u + at$$

$$s = ut + \frac{1}{2}at^{2}$$

$$v^{2} = u^{2} + 2as$$

\*Students sitting AQA examinations are expected to know or be able to derive the formulae for Compound Interest and Probability. Knowledge or derivation of these formulae is not specified in the Edexcel Specification.