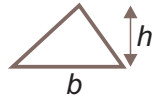
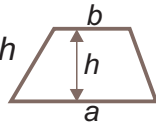


## Formulas You Need to Know for The Foundation **and** Higher Exams

$$\text{Area of a triangle} = \frac{b \times h}{2}$$

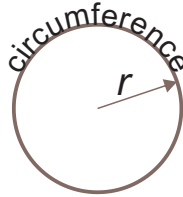


$$\text{Area of trapezium} = \frac{1}{2}(a + b)h$$



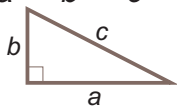
$$\text{Area of a circle} = \pi r^2$$

$$\text{Circumference of a circle} = 2\pi r$$

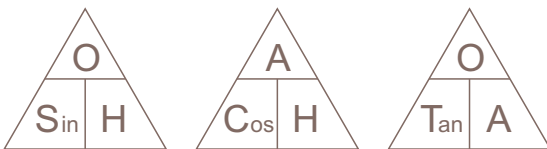


Pythagoras' Theorem

$$a^2 + b^2 = c^2$$



Trigonometry



## Formulas You Need to Know for The Higher Exam ONLY

Quadratic Formula

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

Sine Rule

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

Cosine Rule

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

$$\text{Area of a Triangle} = \frac{1}{2}ab \sin C$$

