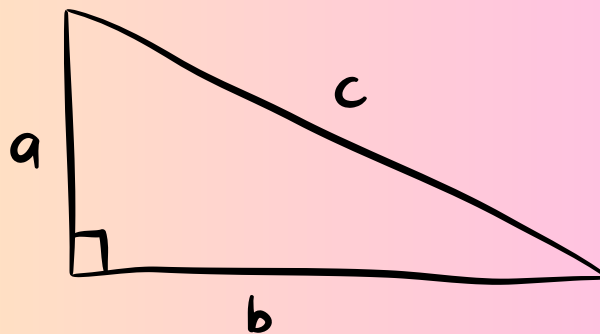


GCSE Maths

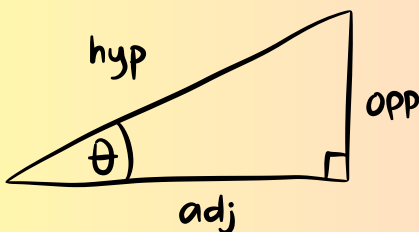
ALL YOUR FORMULAS - BY MATHSUK

Pythagoras' Theorem

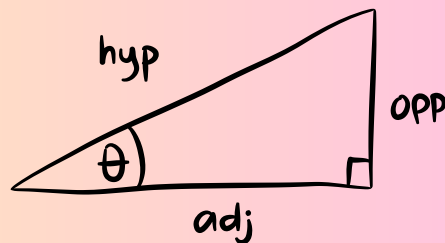


$$a^2 + b^2 = c^2$$

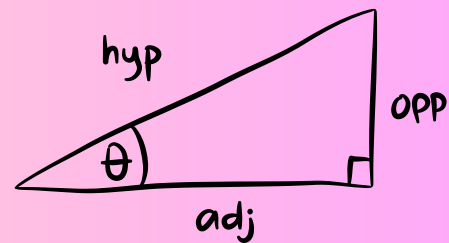
trigonometry



$$\sin(\theta) = \frac{\text{opp}}{\text{hyp}}$$



$$\cos(\theta) = \frac{\text{adj}}{\text{hyp}}$$



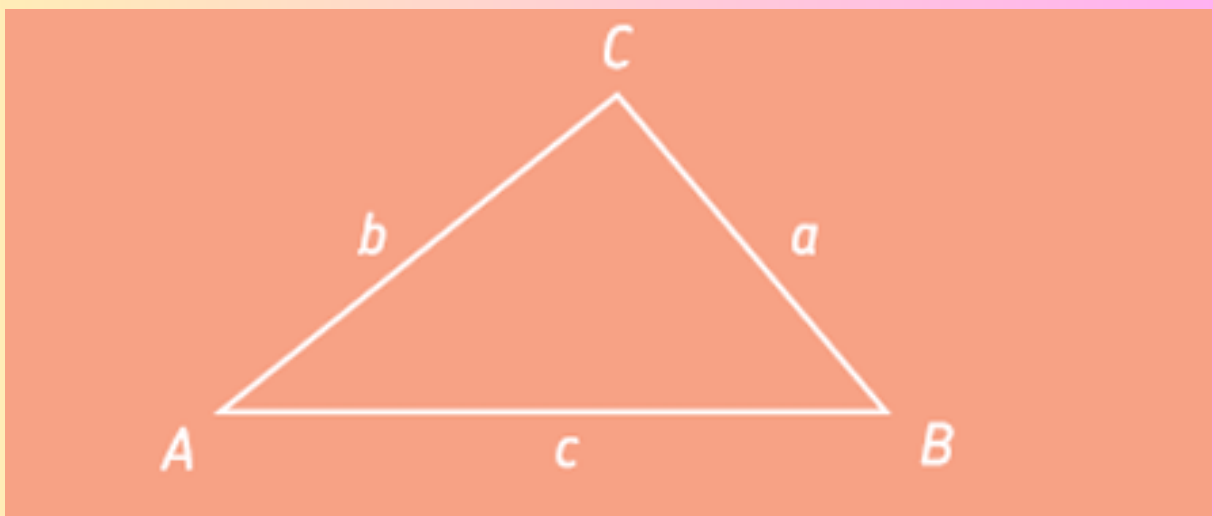
$$\tan(\theta) = \frac{\text{opp}}{\text{adj}}$$

more trigonometry

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

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

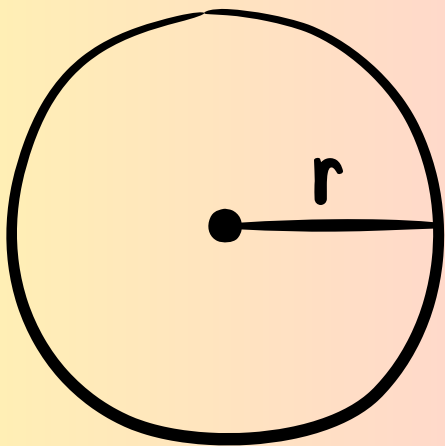
Area of Triangle: $\frac{1}{2} ab \sin C$



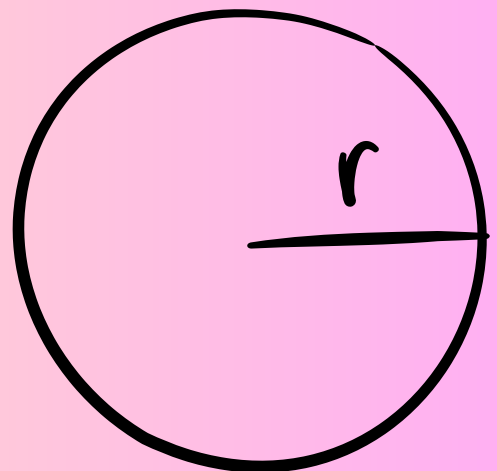
The quadratic formula

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

Area and Circumference of a circle

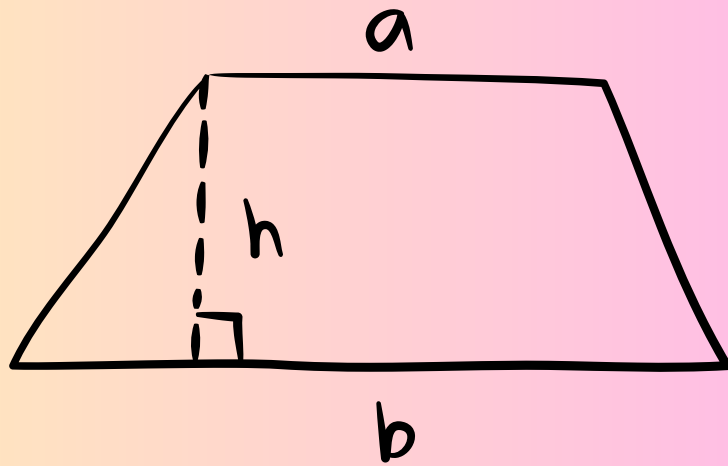


$$A = \pi r^2$$



$$C = 2\pi r$$

Area of a Trapezium



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

**Volume of Prism = area of cross
section x length**