

Recall and use Standard Formulae
(Formulae taken from Specification)

Circle Geometry

Circumference of a circle	$2\pi r = \pi d$
Area of a circle	πr^2
Arc length of a sector	$\frac{\text{angle}}{360} \times \pi d$
Area of a sector	$\frac{\text{angle}}{360} \times \pi r^2$

Trigonometry

Pythagoras' Theorem	$a^2 = b^2 + c^2$
Trigonometry Formulae	$\sin \theta = \frac{O}{H}$
	$\cos \theta = \frac{A}{H}$
	$\tan \theta = \frac{O}{A}$
Sine rule	$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$
Cosine rule	$a^2 = b^2 + c^2 - 2bc \times \cos A$
Area of a triangle (using Trig)	$\frac{1}{2} ab \times \sin C$

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David Baud



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