

Reference Sheet

The Regents Examination in Integrated Algebra will include a reference sheet containing the formulas specified below.

Trigonometric Ratios	$\sin A = \frac{\textit{opposite}}{\textit{hypotenuse}}$
	$\cos A = \frac{\textit{adjacent}}{\textit{hypotenuse}}$
	$\tan A = \frac{\textit{opposite}}{\textit{adjacent}}$

Area	trapezoid	$A = \frac{1}{2}h(b_1 + b_2)$
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Volume	cylinder	$V = \pi r^2 h$
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Surface Area	rectangular prism	$SA = 2lw + 2hw + 2lh$
	cylinder	$SA = 2\pi r^2 + 2\pi rh$

Coordinate Geometry	$m = \frac{\Delta y}{\Delta x} = \frac{y_2 - y_1}{x_2 - x_1}$
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