

**AQA Level 2 Certificate in Further Mathematics – 8365 – Advance Information**

**Paper 1 – Wednesday 8 June 2022 pm – non-calculator**

<b>Number</b>	Percentage increase
	Ratio
	Rationalisation of surd

<b>Algebra</b>	Inverse function
	Identity
	Expanding brackets
	Binomial expansion
	Changing subject of formula
	Completing the square
	Quadratic inequality
	Draw graph of function
	Simultaneous equations, one linear and one second order
	Index laws
	$n$ th term of sequence
	Limiting value of sequence
Quadratic sequence	

<b>Coordinate Geometry</b>	Equation of line
	Length of a line
	Intercept of a line
	Point on circle
	Equation of tangent to a circle

<b>Calculus</b>	Differentiation
	Stationary points

<b>Matrix Transformations</b>	Matrix multiplication
	Matrix transformations

<b>Geometry</b>	Circle theorems
	Geometric proof
	Sine rule
	Pythagoras' Theorem
	Trigonometrical graph
	Trigonometrical value
Trigonometrical identity	

**Paper 2 – Wednesday 22 June 2022 pm – calculator**

<b>Number</b>	Percentage increase
	Ratio
	Rationalisation of surd

<b>Algebra</b>	Inverse function
	Identity
	Expanding brackets
	Binomial expansion
	Changing subject of formula
	Completing the square
	Quadratic inequality
	Draw graph of function
	Simultaneous equations, one linear and one second order
	Index laws
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<b>Coordinate Geometry</b>	Equation of line
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<b>Geometry</b>	Circle theorems
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