

NAME		TEACHER				
My GCSE Target Grade is		End of Cycle Teacher Assessment Please circle				
		SAE	AE	E	BE	SBE
End of unit assessment type		Your end of topic assessment will be a written exam.				

YEAR 11 HIGHER	CYCLE 3: NUMBER & GEOMETRY
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	Knowledge	Prior knowledge	End of topic	Hegarty Clip
Number / Algebra	Upper & Lower Bounds – I can calculate using Upper and Lower Bounds and given your answers to a suitable degree of accuracy			137-139
	Completing the Square 1 – I can complete the square for a quadratic function of the form $x^2 + bx + c$ and find the roots of a quadratic equation by completing the square			238-239
	Completing the Square 2 – I can complete the square for a quadratic function of the form $ax^2 + bx + c$ and find the roots of a quadratic equation by completing the square			
	Rearranging Formula – I can change the subject of a formula including with powers / roots / fractions.			285-287
	Iteration – I can solve quadratic and cubic equations using an iterative process and I am confident rearrange complex equations to reach a given form			322-323
Geometry	Equation of a Line – I understand and can use $y = mx + c$ and $ax + by = c$ to represent the equation of a straight line and can identify the x and y intercepts			208-213
	Gradient – I can find the gradient of a line between 2 points, with and without a graph			203-204
	Line Segments - I can find the co-ordinates of the midpoint of a line segment and find the gradient and length of a line segment (using Pythagoras)			
	Parallel & Perpendicular Lines – I can find the equation of parallel and perpendicular lines, given the gradient and a point, 2 points and from a diagram			215-216
	Equation of a Circle – I can find the equation of the tangent to a circle at a given point			315-320
	3D Solids – I can calculate the volume and surface area of any 3D solid and apply to problem solving questions			578,583
	Trigonometry with Bearings - I can apply the Sine and Cosine rule to problem solving questions (3D / Bearings / Non-calculator)			531
3D Pythagoras & Trigonometry - I can solve problems using Pythag and Trig in 3D.			505-507 854-863	

LEARNING TOOLS

MY KEY TOPICS	KEY TOPIC 1				
	KEY TOPIC 2				
KEY EQUATIONS	Sine Rule =		Cosine Rule =		
KEYWORDS		Iterative, Perpendicular, Gradient			