

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 4: NUMBER & GEOMETRY
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	Knowledge	Prior knowledge	End of topic	Hegarty Clip
Algebra	Simultaneous Equations – I can solve simultaneous equations graphically by drawing graphs on an axis (including when one is linear and one is quadratic)			259-260
	Inequalities Graphically – I can represent inequalities on graphs and identify regions which satisfy a set of inequalities			273-276
	Quadratic Functions – I can recognise and draw quadratic functions and identify key points on the graph (both accurately and sketching) and find approximate solutions			
	Quadratic Inequalities – I can solve quadratic inequalities and correctly identify the region(s) that is satisfied by the function			277
	Solving Algebraic Fractions – I can solve equations involving algebraic fractions (including those that need factorising)			244
Circle Theorems	Radii and Chords – I can solve problems involving chords and radii and find the centre of a circle using a ruler and compass			593-601
	Tangents – I understand and can use the facts about tangents at a point and from a point & can give reasons for angle and length calculations involving tangents (tangent meets radius at 90°)			
	Angles in Circles 1 – I understand and can use facts about angles subtended at the centre and circumference of circles and use facts about the angle in semicircle being a right angle			
	Angles in Circles 2 – I understand and can use facts about angles subtended at the circumference of circle and use facts about cyclic quadrilaterals			
	Alternate Segment Theorem – I can use the alternate segment theorem when solving problems			
	Problem Solving – I can solve angle problems using circle theorems and give reasons using mathematical language			603-606
	Circle Theorem Proofs – I can prove key circle theorems using known angle facts			816-820

LEARNING TOOLS

MY KEY TOPICS	KEY TOPIC 1			
	KEY TOPIC 2			
KEY WORDS	Region	Alternate	Origin (0,0)	Subtended
KEY EQUATION		$x^2 + y^2 = r^2$		