

5	<ul style="list-style-type: none"> Solve quadratic equations of the form $ax^2 + bx + c = 0$ by factorisation, including those which require simple rearrangement. 	<ul style="list-style-type: none"> Realise that the shortest distance from a point to a given line is the perpendicular from that line to the point, and construct the perpendicular using straight-edge and compasses only. 			
	<ul style="list-style-type: none"> Change the subject of an equation or formula, where the new subject appears once. 	<ul style="list-style-type: none"> Enlarge shapes by a positive fractional scale factor from a centre of enlargement, with or without a co-ordinate grid. 			
	<ul style="list-style-type: none"> Use and understand the word 'identity', and prove whether algebraic expressions are identically equal. 	<ul style="list-style-type: none"> Understand the use of vectors to describe displacements. 			
	<ul style="list-style-type: none"> Work out the gradient of a straight line, and understand the equation $y = mx + c$ as the standard form of a straight line graph. 				
	<ul style="list-style-type: none"> Identify parallel lines, given their equations, rearranging them into gradient-intercept form where necessary. 				
	<ul style="list-style-type: none"> Work out the equation of a line, given two points on the line, or given its gradient and one point on the line. 				
	<ul style="list-style-type: none"> Plot the graphs of quadratic, cubic or reciprocal functions, and locate and interpret the roots, intercept and turning point of a quadratic function. 				
	<ul style="list-style-type: none"> Distinguish between linear, quadratic, cubic and reciprocal graphs, and recognise the key features of these types of graph. 				
	<ul style="list-style-type: none"> Model a range of different situations algebraically, and use algebra to solve mathematically. 				
	<ul style="list-style-type: none"> Use graphs to solve problems set in a range of contexts, including kinematic problems involving speed and acceleration. 				

<ul style="list-style-type: none"> Compare and order fractions (positive and negative). 					
<ul style="list-style-type: none"> Compare and order different fractions (positive and negative). 					
<ul style="list-style-type: none"> Understand the concept of equivalent fractions. 					
<ul style="list-style-type: none"> Appreciate the equivalence between percentages, fractions and decimals, and convert between them, using a calculator where necessary. 					