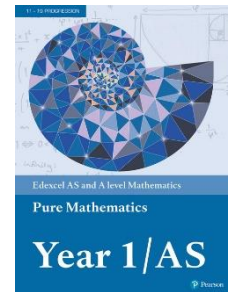


# Maths Bridging Homework

Work set from the Pure Mathematics Year 1/AS Textbook.

*The work to complete involves topics you should be familiar with from GCSE level, although at the end of each exercise the questions will stretch your understanding.*



Make notes from the sections referenced and then attempt the questions set from each exercise. Evidence of notes and work will need to be presented to your teachers early in September. This will be assumed knowledge when you start the course and you will be tested on this material in the first week or so. Appropriate intervention will be put in place for students who do not reach the required level of competence.

Section	Objective	Exercise	Questions	Complete
1.2	Expanding brackets.	1A 1B	2 All	
1.3	Factorising linear and quadratic expressions.	1C	1, 2	
2.1	Solving quadratic equations by factorising/square root method.	2A	All	
2.2	Solving quadratic equations using the quadratic formula.	2B	All	
3.1	Linear simultaneous equations.	3A	All	
3.4	Linear inequalities.	3D	All	
5.1	Gradients of lines.	5A	All	
5.1	Equation of a line $y = mx + c$ .	5B	1, 2, 3	
7.1	Simplifying algebraic fractions.	7A	All	
9.1	Basic cosine rule.	9A	1, 2	
9.2	Basic sine rule.	9B	1, 2, 3, 4	

In addition to this work it would also be useful to look at some other material available on firefly including the bridging materials and also the transition materials from Pearson (who also publish the text book).