

GCSE to Further Education

A Level Maths

Context

Given the complexity of this course it is imperative that you carry out some preparatory work over the summer to ensure you have the required skills to ensure a smooth transition and enable you to make a success of A Level mathematics.

Task

Listed below are six essential skills you will need a solid understanding of. The links provide a reference document which includes examples and practise questions on that particular skill.

To use and understand the rules of indices

<http://www.mathcentre.ac.uk/resources/uploaded/mc-ty-indicespowers-2009-1.pdf>

Be able to expand brackets and simplify

<http://www.mathcentre.ac.uk/resources/Algebra%20leaflets/mc-expandbrack-2009-1.pdf>

Be able to solve linear equations

<http://www.mathcentre.ac.uk/resources/uploaded/mc-bus-lineqn-2009-1.pdf>

Be able to solve simultaneous equation (elimination and substitution method)

<http://www.mathcentre.ac.uk/resources/uploaded/mc-ty-simultaneous-2009-1.pdf>

Be able to solve quadratic equations (factorising, quadratic formula and completing the square)

<http://www.mathcentre.ac.uk/resources/uploaded/mc-ty-factorisingquadratics-2009-1.pdf>

<http://www.mathcentre.ac.uk/resources/uploaded/mc-ty-quadeqns-2009-1.pdf>

Be able to rearrange formulae

<http://www.mathcentre.ac.uk/resources/uploaded/mc-ty-transposition-2009-1.pdf>