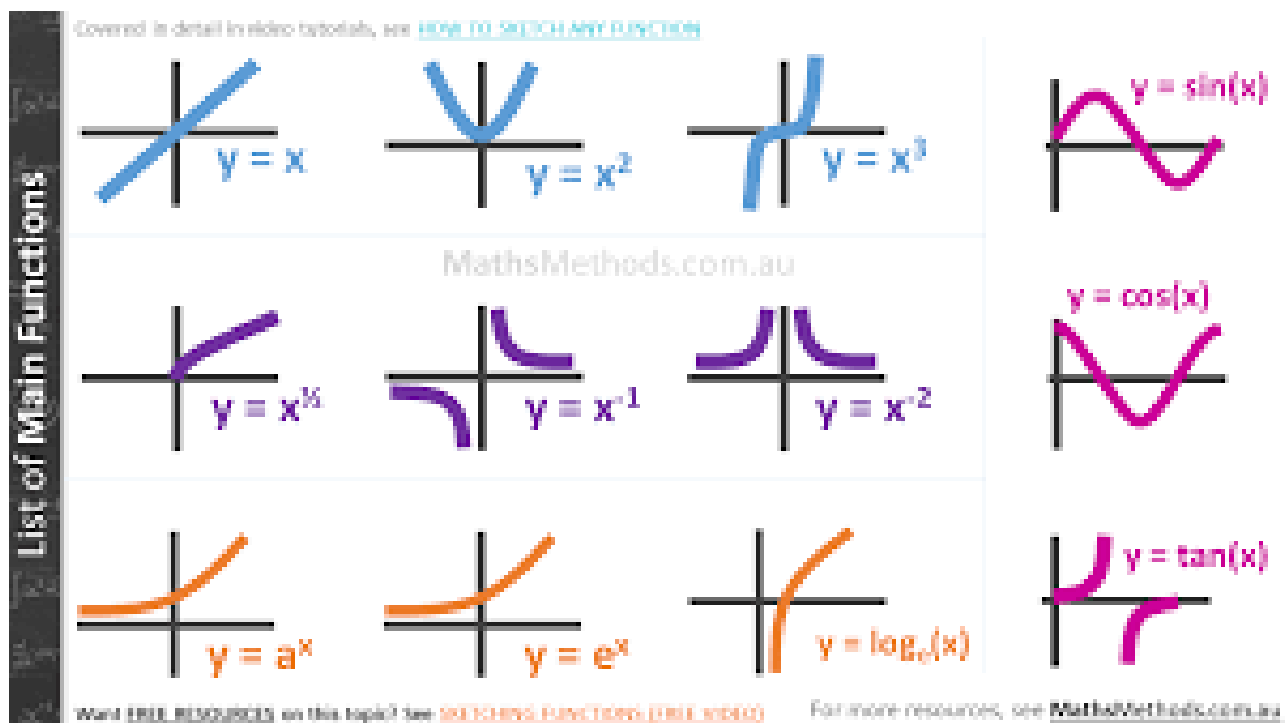


**BSc Mathematics: 55-409621 Mathematical and Statistical
Methods**



Mathematical Methods: Notes

Notes compiled by Angharad Ugonna

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Welcome to the Mathematical and Statistical Methods module. This module introduces the key mathematical skills needed on this course. This section of the module is going to focus on what you will traditionally know as “Pure mathematics”.

Some of these topics might look like they’ll be revision from ‘A’ Level but you need to make sure that you understand the examples and can do the exercises in this booklet.

These notes are compiled from many peoples work including Mike Robinson who had taught this module for many years and Alex Shukie who reconfigured some of the material last year. I have also use Calculus textbooks with my favourite being Calculus: a complete course by Robert Adams. I have mainly used the 8th edition but other editions are available and there are a limited number of copies in the library.

If you have any questions about the material then please email me (a.ugonna@shu.ac.uk).