

Teacher notes

There are 15 Graphic Calculator Support Sheets that you can use when working with each of the *FSMQs* that make up the modules of *AS Use of Mathematics*. The table below gives the title of each support sheet and the chapters of the three books *Algebra & graphs*, *Statistics* and *Calculus* with which they link.

The sheets have been written for the TI 83 Plus and incorporate screen shots from the Silver Edition of this particular calculator. They are written directly to the student but it is likely that you will wish to work through these before using them with your students so that you can assist them in finding their way around the calculator's menu structure.

Note that the use of graphic calculators is to be encouraged throughout all modules of the course, and students can use them throughout written examination papers as well as in preparation of their coursework portfolio. It is important, therefore, that students can use their graphic calculator as efficiently as possible.

No.	Title	Links
1	Plotting a graph of data and a function	<i>Algebra & graphs</i> Chapters: 1, 2, 3, 5, 6
2	Investigating functions	<i>Algebra & graphs</i> Chapters: 2, 3, 5
3	Finding significant features of graphs of functions – using <i>TRACE</i> and <i>ZOOM</i>	<i>Algebra & graphs</i> Chapters: 1, 2, 3, 5
4	Displaying inequalities	<i>Algebra & graphs</i> Chapter: 2
5	Solving simultaneous equations graphically	<i>Algebra & graphs</i> Chapters: 1, 2
6	Generating random numbers	<i>Algebra & graphs</i> Chapter: 4
7	Transforming variables – finding a model to fit data	<i>Algebra & graphs</i> Chapter: 6
8	Recurrence relations	<i>Algebra & graphs</i> Chapter: 7

9	Calculating measures of location and spread	<i>Statistics</i> Chapter: 1
10	Correlation and regression	<i>Statistics</i> Chapter: 2
11	The Normal Distribution	<i>Statistics</i> Chapter: 3
12	Calculating the value of the derivative	<i>Calculus</i> Chapters: 2, 4
13	Plotting graphs of gradient functions	<i>Calculus</i> Chapters: 2, 4
14	Calculating areas under graphs (definite integrals)	<i>Calculus</i> Chapters: 3, 5
15	Drawing graphs of area functions	<i>Calculus</i> Chapters: 3, 5