Mathematics B
2014 Senior External Examination — Subject notice 2

Equipment required

- blue or black pen
- ruler graduated in millimetres
- protractor
- graphics calculator (additional calculator allowed).

See Examination information (Appendix B) for additional equipment that you may take into examinations.

Calculators

Calculators must not be mains-powered, attached to a printer or have spellcheck, dictionary or translation functions. Use of calculators must not disturb other candidates.

In some questions you can use a calculator to obtain the solution but will need to demonstrate your knowledge by showing full working.

Your graphics calculator should have the following capabilities (at least):

- all functions found on a standard scientific calculator such as basic operations, trigonometry operations and exponential and logarithmic operations
- operations in both degrees and radians; the ability to display degrees, minutes and seconds
- statistics operations including data entry, mean, standard deviation, boxplots, and five-number summary.

You will be expected to use your calculator in questions involving trigonometry, the trapezoidal rule, statistics, financial calculations, function plotting, solving equations, calculus problems (including definite integral), etc. You are also expected to use your calculator to store intermediate values during extended calculations.

Where appropriate, give responses to three decimal places if the number of decimal places required is not stated in the question.

Calculators with computer algebra system (CAS) functionality can provide each step of the solution to an algebraic question. For this reason, you cannot take calculators and other electronic devices with CAS functionality into the Mathematics B examination room.

Prior to the examination you must delete anything stored in the memory of your calculator (other than formulas) that would give you an unfair advantage.

Supervisors will check all calculators.

Enquiries

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