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Morning (Time: 1 hour 30 minutes)

Paper Reference 1MME

Further Mathematics

Advanced
Paper 1: Core Pure Mathematics 1

You must have:

Mathematical Formulae and Statistical Tables, Calculator

Total Marks

Candidates may use any approved calculator. Calculators must not have the facility for symbolic algebra manipulation, differentiation and integration, or have retrievable mathematical formulae stored in them.

Instructions

- Use black ink or ball-point pen.
- If pencil is used for diagrams/sketches/graphs it must be dark grey or black.
- Fill in the boxes at the top of this page with your name, centre number and candidate number.
- Answer all questions and ensure that your answers to parts of questions are clearly labelled.
- Answer the questions in the spaces provided.
 - There may be more space than you need.
- You should show sufficient working to make your methods clear. Answers without working may not gain full credit.
- Exact answers should be given to three significant figures unless otherwise stated.

Information

- The total mark for this paper is 75.
- The marks for each question are shown in brackets.
 - Use this as a guide as to how much time to spend on each question.

Advice

- Read each question carefully before you start to answer it.
- Try to answer every question.
- Check your answers if you have time at the end.

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