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|   |                         |
| Paper 1                                   | Higher Tie              |

#### Instructions

- Use black ink or ball-point pen.
- Fill in the boxes at the top of this page with your name, centre number and candidate number.
- Answer all questions.
- Answer the questions in the spaces provided

   there may be more space than you need.
- Calculators may be used.
- Any diagrams may NOT be accurately drawn, unless otherwise indicated.
- You must show all your working out with your answer clearly identified at the end of your solution.

#### Information

- The total mark for this paper is 100.
- The marks for each question are shown in brackets
   use this as a quide as to how much time to spend on each quest
- use this as a guide as to how much time to spend on each question.
   In guestions marked with an asterisk (\*), marks will be awarded for your
- ability to structure your answer logically showing how the points that you make are related or follow on from each other where appropriate.
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- Read each question carefully before you start to answer it.
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