

GCSE MATHEMATICS

Pythagoras Theorem

Please write clearly in block capitals

Forename:

Surname:

Materials

For this paper you must have:

mathematical instruments

You *can* use a calculator.



Instructions

- Use black ink or black ball-point pen. Draw diagrams in pencil.
- Fill in the boxes at the top of this page.
- · Answer all questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- · The marks for questions are shown in brackets.
- You may ask for graph paper, tracing paper and more answer paper. These must be tagged securely to this answer book.

Advice

· In all calculations, show clearly how you work out your answer.











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Turn over ►





| 8 | Two points have the coordinates $(2,3)$ and $(7,9)$. | |
|---|---|-----------|
| | Not drawn accurately • (7,9) | |
| | | |
| | (2,3) | |
| | | |
| | Calculate the distance between the two points. | |
| | Give your answer to 3 significant figures. | |
| | | [4 marks] |
| | | |
| | Answer | |
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| | Turn over for next question | |
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END