

Oxford Cambridge and RSA

## Thursday 25 May 2023 — Afternoon AS Level Mathematics A

H230/02 Pure Mathematics and Mechanics

Time allowed: 1 hour 30 minutes

You must have: the Printed Answer Booklet a scientific or graphical calculator



#### INSTRUCTIONS

- Use black ink. You can use an HB pencil, but only for graphs and diagrams.
- Write your answer to each question in the space provided in the Printed
   Answer Booklet. If you need extra space use the lined pages at the end of
   the Printed Answer Booklet. The guestion numbers must be clearly shown.
- · Fill in the boxes on the front of the Printed Answer Booklet.
- Answer all the questions.
- Where appropriate, your answer should be supported with working.
   Marks might be given for using a correct method, even if your answer is wrong.
- Give non-exact numerical answers correct to 3 significant figures unless a different degree of accuracy is specified in the question.
- The acceleration due to gravity is denoted by g m s<sup>-2</sup>. When a numerical value is needed use g = 9.8 unless a different value is specified in the question.
- Do not send this Question Paper for marking. Keep it in the centre or recycle it.

#### INFORMATION

- The total mark for this paper is 75.
- The marks for each question are shown in brackets [ ].
- This document has 8 pages.

#### ADVICE

· Read each question carefully before you start your answer.

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## **A Gutmann**

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