



# Cambridge International AS & A Level

CANDIDATE NAME

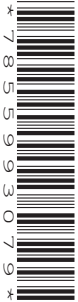


CENTRE NUMBER

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CANDIDATE NUMBER

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**MATHEMATICS**

**9709/23**

Paper 2 Pure Mathematics 2

**May/June 2024**

**1 hour 15 minutes**

You must answer on the question paper.

You will need: List of formulae (MF19)

## INSTRUCTIONS

- Answer **all** questions.
- Use a black or dark blue pen. You may use an HB pencil for any diagrams or graphs.
- Write your name, centre number and candidate number in the boxes at the top of the page.
- Write your answer to each question in the space provided.
- Do **not** use an erasable pen or correction fluid.
- Do **not** write on any bar codes.
- If additional space is needed, you should use the lined page at the end of this booklet; the question number or numbers must be clearly shown.
- You should use a calculator where appropriate.
- You must show all necessary working clearly; no marks will be given for unsupported answers from a calculator.
- Give non-exact numerical answers correct to 3 significant figures, or 1 decimal place for angles in degrees, unless a different level of accuracy is specified in the question.

## INFORMATION

- The total mark for this paper is 50.
- The number of marks for each question or part question is shown in brackets [ ].

This document has **16** pages. Any blank pages are indicated.















Handwriting practice area with horizontal dotted lines.

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(b) Find the value of  $\int_0^2 \frac{p(x)}{3x+2} dx$ , giving your answer in the form  $a + \ln b$  where  $a$  and  $b$  are integers. [5]

Dotted lines for writing the answer.

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