



Oxford Cambridge and RSA

Thursday 22 May 2025 – Afternoon

A Level Further Mathematics B (MEI)

Y420/01 Core Pure

Printed Answer Booklet

Time allowed: 2 hours 40 minutes



You must have:

- Question Paper Y420/01 (inside this document)
- the Formulae Booklet for Further Mathematics B (MEI)
- a scientific or graphical calculator



Please write clearly in black ink. **Do not write in the barcodes.**

Centre number

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Candidate number

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First name(s)

Last name

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 question numbers must be clearly shown.
- 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 your final answers to a degree of accuracy that is appropriate to the context.

INFORMATION

- This document has **24** pages.

ADVICE

- Read each question carefully before you start your answer.

Section A (33 marks)

1	
2	

3

4(a)	
4(b)	

5

6

6(a)	
6(b)	
6(c)	

8(a)	

8(b)	

DO NOT WRITE IN THIS SPACE

9(a)(i)	
9(a)(ii)	
9(a)(iii)	
9(b)(i)	
9(b)(ii)	

10

[illegible]

11(b)(i)	
11(b)(ii)	

12

The four roots of the equation:

$$C =$$
$$d =$$

13(a)	
13(b)	

14(a)	
14(b)	
	(answer space continued on next page)

14(b)	(continued)
14(c)	

15(a)	
15(b)	
15(c)	

[illegible]

16(b)	

17(a)(i)		
17(a)(ii)		
17(a)(iii)		
	17(a)(iv)	

17(b)(i)	
17(b)(ii)	
17(b)(iii)	



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