



Oxford Cambridge and RSA

Thursday 22 May 2025 – Afternoon

A Level Further Mathematics A

Y540/01 Pure Core 1

Printed Answer Booklet

Time allowed: 1 hour 30 minutes



You must have:

- Question Paper Y540/01 (inside this document)
- the Formulae Booklet for A Level Further Mathematics A
- 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 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 gms^{-2} . When a numerical value is needed use $g = 9.8$ unless a different value is specified in the question.

INFORMATION

- The total mark for this paper is **75**.
- The marks for each question are shown in brackets [].
- This document has **20** pages.

ADVICE

- Read each question carefully before you start your answer.

1(a)	
1(b)	
1(c)	
2(a)	
2(b)	

[illegible]

4(a)	
4(b)	

4(c)

4(d)

5(a)	
5(b)	

5(c)

5(d)

6(a)	

[illegible]

DO NOT WRITE IN THIS SPACE

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

7(b)	(continued)
7(c)	
8(a)	

[illegible]

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

9(b)	(continued)
9(c)	

10(a)

10(b)(i)	

[illegible]

[illegible]

[illegible]

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