



Oxford Cambridge and RSA

Monday 13 May 2024 – Afternoon

AS Level Further Mathematics A

Y531/01 Pure Core

Printed Answer Booklet

Time allowed: 1 hour 15 minutes



You must have:

- Question Paper Y531/01 (inside this document)
- the Formulae Booklet for AS 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 $g \text{ m s}^{-2}$. 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 **60**.
- The marks for each question are shown in brackets [].
- This document has **16** pages.

ADVICE

- Read each question carefully before you start your answer.

[illegible]

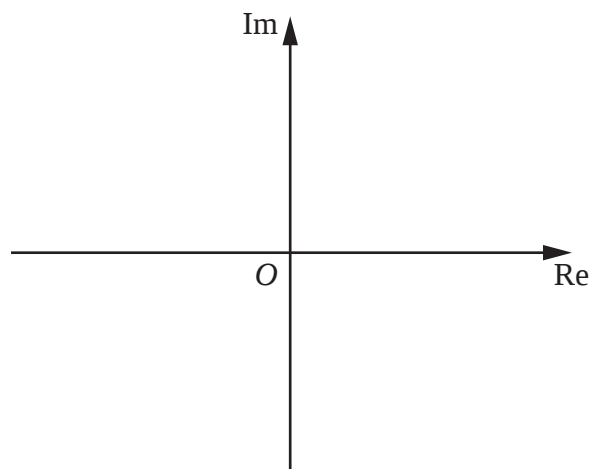
2(a)

2(b)

3(a)(i)	
3(a)(ii)	
3(a)(iii)	
3(b)	

4(a)

4(b)



4(c)

5(a)	
5(b)	
5(c)	
	5(d)

7

(answer space continued on next page)

[illegible]

8(a)	
8(b)	
8(c)	

8(d)(i)	
8(d)(ii)	
8(d)(iii)	

9	
	(answer space continued on next page)

[illegible]

EXTRA ANSWER SPACE

If you need extra space use these lined pages. You must write the question numbers clearly in the margin.

[illegible]



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