

Friday 6 June 2025 – Afternoon

AS Level Further Mathematics A

Y535/01 Additional Pure Mathematics

Printed Answer Booklet

Time allowed: 1 hour 15 minutes

You must have:

- Question Paper Y535/01 (inside this document)
- the Formulae Booklet for AS Level Further Mathematics A
- a scientific or graphical calculator

AB



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

Centre number

--	--	--	--	--

Candidate number

--	--	--	--

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 page 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

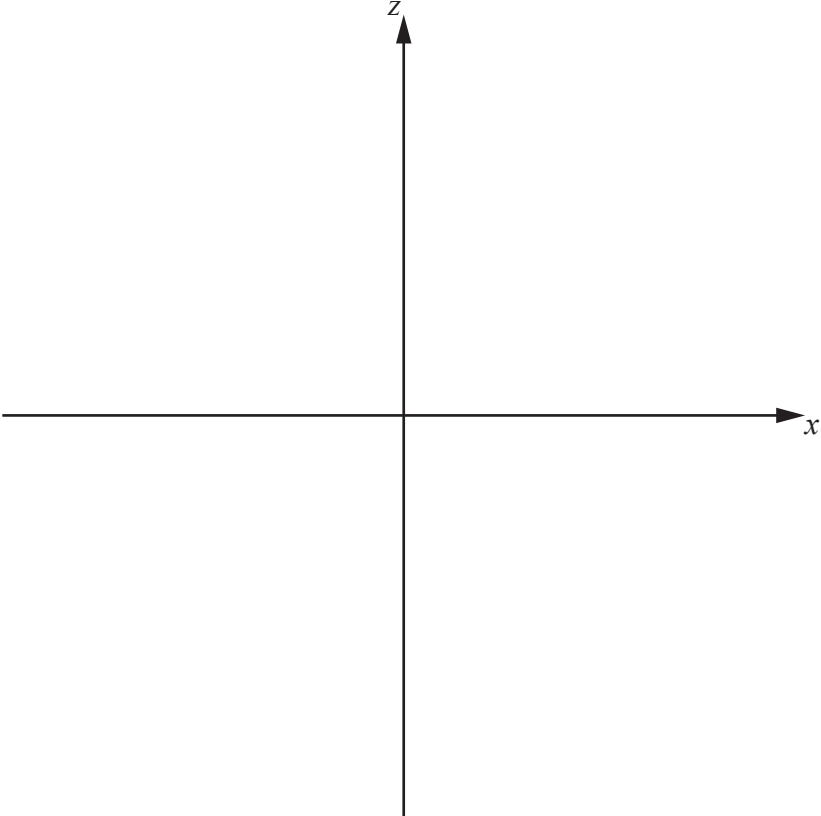
- The total mark for this paper is **60**.
- The marks for each question are shown in brackets [].
- This document has **12** pages.

ADVICE

- Read each question carefully before you start your answer.

[illegible]

2(a)(i)	
2(a)(ii)	
2(b)	

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

3(b)	(continued)
3(c)	

4(a)(i)																																					
4(a)(ii)	<table><tr><td>*</td><td>1</td><td>3</td><td>5</td><td>7</td><td>9</td></tr><tr><td>1</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>3</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>5</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>7</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>9</td><td></td><td></td><td></td><td></td><td></td></tr></table>	*	1	3	5	7	9	1						3						5						7						9					
	*	1	3	5	7	9																															
	1																																				
	3																																				
	5																																				
	7																																				
	9																																				
	4(a)(iii)																																				

4(b)(i)	
4(b)(ii)	
4(b)(iii)	
4(b)(iv)	

5

[illegible]

6(b)(ii)	

7(a)(i)	
7(a)(ii)	
7(b)	
7(c)	

[illegible]

© OCR 2025