



Wednesday 22 May 2024 - Afternoon

A Level Further Mathematics A

Y540/01 Pure Core 1

Printed Answer Booklet

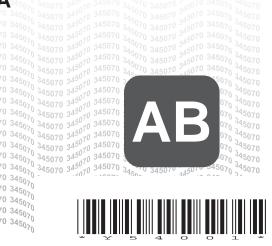
Time allowed: 1 hour 30 minutes

You must have:

• Question Paper Y540/01 (inside this document)

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- 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						Candidate number				
First name(s)										
Last name										

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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 guestion 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 gm 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 **75**.
- The marks for each question are shown in brackets [].
- This document has 16 pages.

ADVICE

Read each question carefully before you start your answer.

1	
2(a)	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
	-3 -2 -1 5 1 2 3 -1 - -2 - -3 -
2(b)	

2(c)	
2(d)	
3(a)	
3(b)	
3(c)	

4

4	

5	

6

6	
7(a)	

7(b)	
7(c)	

8	

9(a)	
9(b)	

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

10(b)	(continued)

11(a)	
	_
	_
11(b)	
	_
	_
	_

11(c)	

12	
	(answer space continued on next page)
	(answer space continued on next page)

(continued)		

16 EXTRA ANSWER SPACE

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



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