

Wednesday 4 June 2025 - Afternoon

A Level Mathematics A

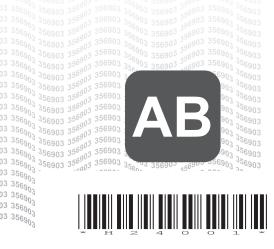
H240/01 Pure Mathematics

Printed Answer Booklet

Time allowed: 2 hours

You must have:

- Question Paper H240/01 (inside this document)
- · 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							

03 356903

03 35₆₉₀₃

INSTRUCTIONS

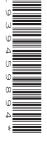
- Use black ink. You can use an HB pencil, but only for graphs and diagrams.
- Write your answer to each question in the space provided in the Printed Answer Booklet. If you need extra space use the lined page at the end of the Printed Answer Booklet. The guestion numbers must be clearly shown.
- Answer 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 100.
- 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(a)	
1(b)	
1(c)	
1(d)	
2(a)	
2(b)	

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

4(a)	
4(b)	
4(c)	

5(a)	
5(b)(i)	
5(b)(ii)	
5(c)	

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

7(a)	

7(b)	

8(a)	
8(b)	
0()	
8(c)	

9(a)	
9(b)	

10(a)(i)	
10(a)(ii)	
10(b)	

DO NOT WRITE IN THIS SPACE

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10(c)	
10(d)	
10(4)	

11(a)	
11(b)	
11(c)	

12(a)	

12(b)	

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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