



A Level Mathematics A

H240/03 Pure Mathematics and Mechanics Printed Answer Booklet

Date – Morning/Afternoon

Time allowed: 2 hours

You must have:

• Question Paper H240/03 (inserted)

You may use:

· a scientific or graphical calculator



First name	
Last name	
Centre	Candidate

INSTRUCTIONS

- The Question Paper will be found inside the Printed Answer Booklet.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Complete the boxes provided on the Printed Answer Booklet with your name, centre number and candidate number.
- Answer **all** the questions.
- Write your answer to each question in the space provided in the Printed Answer Booklet.

 Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).
- Do **not** write in the bar codes.
- You are permitted to use a scientific or graphical calculator in this paper.
- 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 $g \, \text{m} \, \text{s}^{-2}$. Unless otherwise instructed, when a numerical value is needed, use g = 9.8.

INFORMATION

- You are reminded of the need for clear presentation in your answers.
- The Printed Answer Booklet consists of 16 pages. The Question Paper consists of 12 pages.

Section A: Pure Mathematics

1(a)	
1(b)	

2(a)	
2(b)	
3	

4	

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5(a)	
5(b)	

6	

7(a)	
7(b)	

8(a)	2 1 1 E
8(b)	

Section B: Mechanics

9(a)	
9(b)	

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10(a)	
10(b)	

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

12(a)(i)	

12(a)(ii)	
12(6)	
12(b)	
12(c)	
12(d)	

13(a)	
13(b)	

14	

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