



Oxford Cambridge and RSA

Friday 14 June 2019 – Afternoon

A Level Mathematics A

H240/03 Pure Mathematics and Mechanics

PRINTED ANSWER BOOKLET

Time allowed: 2 hours



You must have:

- Question Paper H240/03 (inserted)

You may use:

- 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

- The Question Paper will be found inside the Printed Answer Booklet.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- 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).
- 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 $g \text{ m s}^{-2}$. 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.

2(b)	(continued)
3(a)	

3(b)	
4(a)	
4(b)	

4(c)	
4(d)(i)	
4(d)(ii)	
4(d)(iii)	

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(answer space continued on next page)

10
Section B: Mechanics

7(a)	
7(b)	
8(a)	
8(b)	

8(c)

8(d)

9(a)	
9(b)	

10(a)	
	10(b)

10(c)

11(a)

11(b)**(answer space continued on next page)**

11(b)	(continued)
11(c)	
11(d)	