



Oxford Cambridge and RSA

Wednesday 6 October 2021 – Afternoon

AS Level Mathematics B (MEI)

H630/01 Pure Mathematics and Mechanics

Printed Answer Booklet

Time allowed: 1 hour 30 minutes



You must have:

- Question Paper H630/01 (inside this document)
- 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

- 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 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 your final answers to a degree of accuracy that is appropriate to the context.
- 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

- This document has **16** pages.

ADVICE

- Read each question carefully before you start your answer.

1	
2	

3

4(a)

4(b)

6(c)

6(d)

7

(answer space continued on next page)

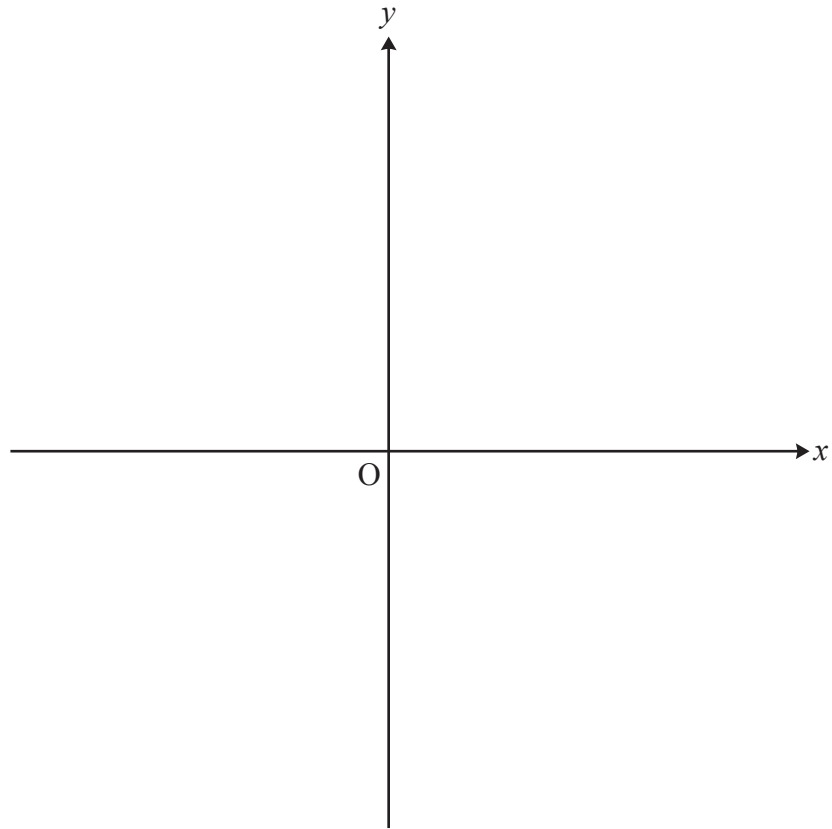
8(a)	
8(b)	

8(c)

8(d)

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9(a)
(i) & (ii)



9(b)

(answer space continued on next page)

9(b)	(continued)
10(a)	
10(b)	
10(c)	

10(d)	
10(e)	
10(f)	

11(a)

11(b)

11(c)

11(d)	
11(e)	

