

Pure mathematics and statistics answer book

June 2024 exam series

ANSWER BOOK

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Oxford Cambridge and RSA

Tuesday 11 June 2024 – Afternoon

A Level Mathematics A

H240/02 Pure Mathematics and Statistics

Printed Answer Booklet

Time allowed: 2 hours



You must have:

- Question Paper H240/02 (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)

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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 page 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 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 gms^{-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.

2

Section A

Pure Mathematics

1(a)	
1(b)	
2	

3(a)	
3(b)	

3(c)

Fig. 1.1

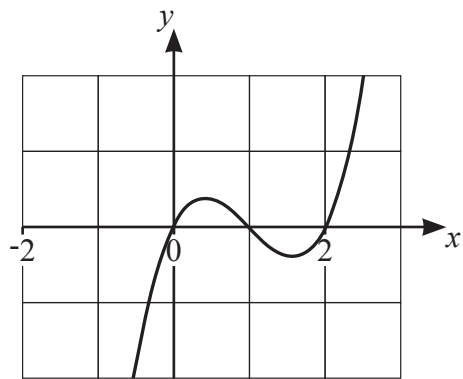


Fig. 1.2

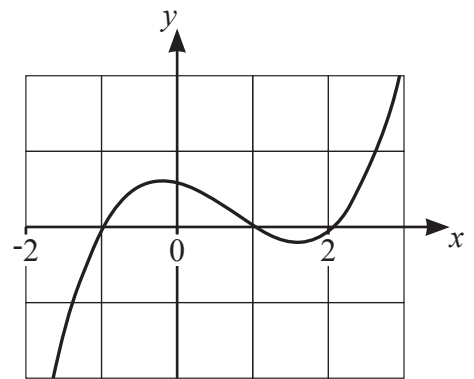
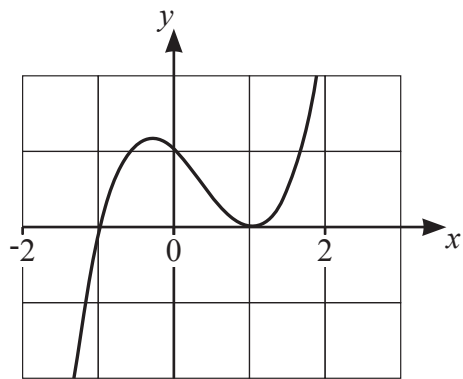


Fig. 1.3



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

5(a)	
5(b)	
	5(c)
5(d)	

6(a)(i)	
6(a)(ii)	

6(b)(i)	
6(b)(ii)	
	6(c)

7(a)	
	7(b)

10

Section B

Statistics

8(a)(i)	
8(a)(ii)	
8(b)(i)	
8(b)(ii)	
9(a)	

9(b)	
	9(c)(i)
9(c)(ii)	

10(a)	
	10(b)
10(c)	
10(d)	

11(a)(i)	
11(a)(ii)	
11(b)	
11(c)	
11(d)	

12(a)	
12(b)(i)	
12(b)(ii)	
13(a)	
13(b)	

[illegible]

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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