

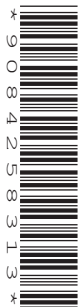
Thursday 19 May 2022 – Afternoon

AS Level Mathematics A

H230/01 Pure Mathematics and Statistics

Printed Answer Booklet

Time allowed: 1 hour 30 minutes



You must have:

- Question Paper H230/01 (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 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 $g \text{ ms}^{-2}$. 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 **75**
- The marks for each question are shown in brackets [].
- This document has **16** pages.

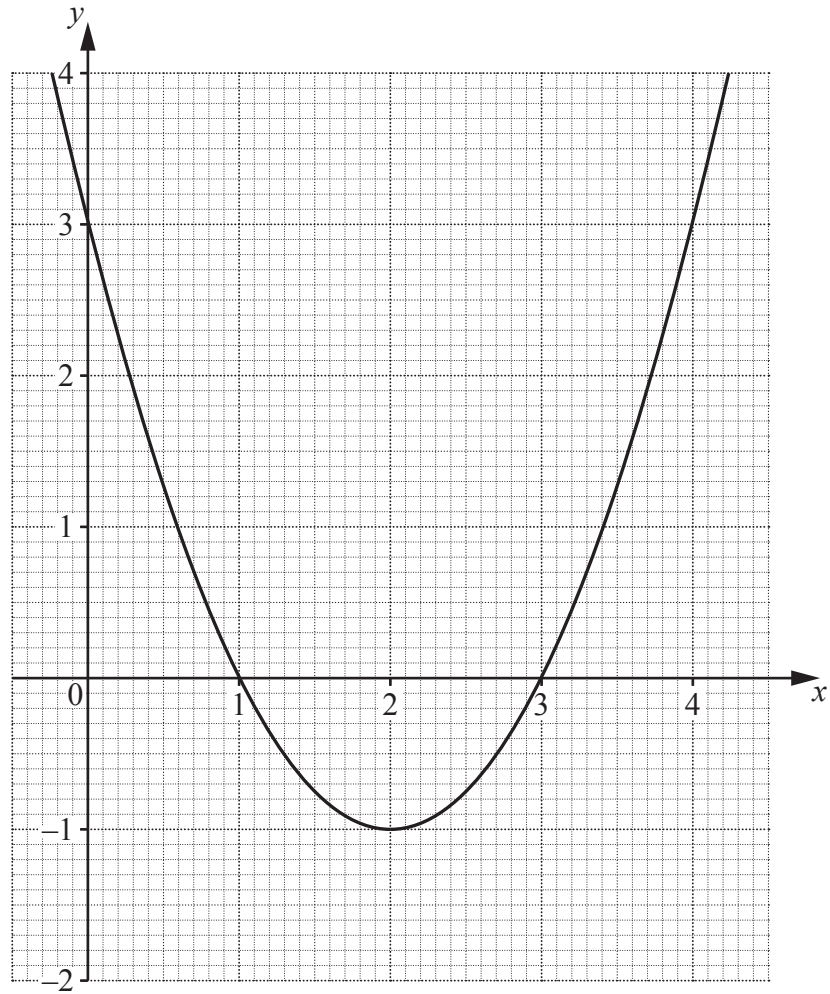
ADVICE

- Read each question carefully before you start your answer.

Section A: Pure Mathematics

1	
2(a)	
2(b)	

3(a)
3(b)
3(c)



3(a)

3(b)

Value(s) of $x =$

3(c)

Please answer this question on the graph above.

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4(a)	
4(b)	

5(a)

5(b)

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

7(a)	

7(b)	

Section B: Statistics

8(a)	

8(b)	

9(a)(i)	

9(a)(ii)	

9(b)	
9(c)	

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

11(a)(i)	
11(a)(ii)	

11(b)	

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