



Oxford Cambridge and RSA

Wednesday 07 October 2020 – 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 $g \text{ m s}^{-2}$. 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

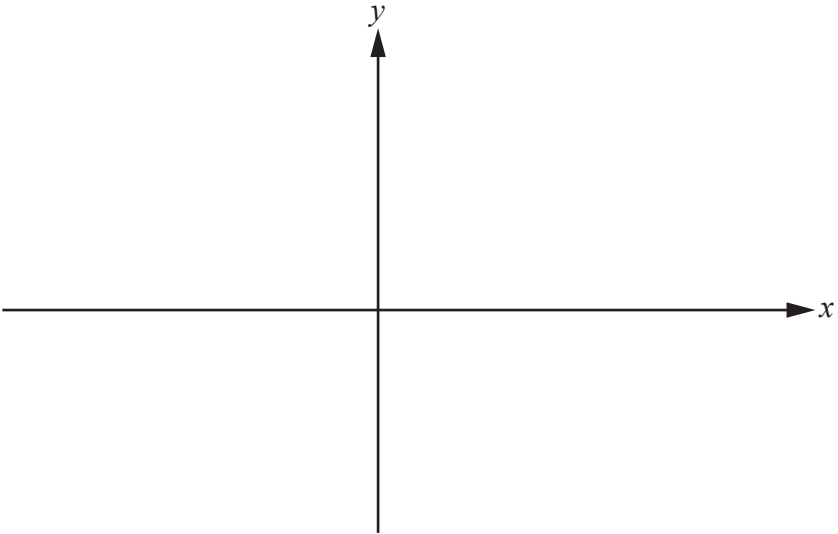
1(a)	
1(b)	

3(a)

3(b)

4(a)	

4(b)	

<p>5(a)</p> <p>5(b)</p>	
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<p>5(c)</p>	<div style="border-bottom: 1px solid black; height: 25px;"></div> <div style="border-bottom: 1px solid black; height: 25px;"></div> <div style="border-bottom: 1px solid black; height: 25px;"></div> <div style="border-bottom: 1px solid black; height: 25px;"></div> <div style="border-bottom: 1px solid black; height: 25px;"></div> <div style="border-bottom: 1px solid black; height: 25px;"></div> <div style="border-bottom: 1px solid black; height: 25px;"></div> <div style="border-bottom: 1px solid black; height: 25px;"></div> <div style="border-bottom: 1px solid black; height: 25px;"></div> <div style="border-bottom: 1px solid black; height: 25px;"></div> <div style="border-bottom: 1px solid black; height: 25px;"></div> <div style="border-bottom: 1px solid black; height: 25px;"></div> <div style="border-bottom: 1px solid black; height: 25px;"></div> <div style="border-bottom: 1px solid black; height: 25px;"></div> <div style="border-bottom: 1px solid black; height: 25px;"></div> <div style="border-bottom: 1px solid black; height: 25px;"></div> <div style="border-bottom: 1px solid black; height: 25px;"></div> <div style="border-bottom: 1px solid black; height: 25px;"></div> <div style="border-bottom: 1px solid black; height: 25px;"></div> <div style="border-bottom: 1px solid black; height: 25px;"></div> <div style="border-bottom: 1px solid black; height: 25px;"></div>
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6(a)	
6(b)	
6(c)	

Section B: Statistics

8(a)	

8(b)	

9(a)	
9(b)	
9(c)	
9(d)	
9(e)	

10(a)	
	10(b)

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

11(b)	(continued)

ADDITIONAL ANSWER SPACE

If additional space is required, you should use the following lined page(s). The question number(s) must be clearly shown in the margin(s).

