



Oxford Cambridge and RSA

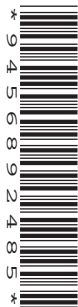
Friday 17 June 2022 – Afternoon

AS Level Further Mathematics A

Y535/01 Additional Pure Mathematics

Printed Answer Booklet

Time allowed: 1 hour 15 minutes



You must have:

- Question Paper Y535/01 (inside this document)
- the Formulae Booklet for AS Level Further Mathematics A
- 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 **60**.
- The marks for each question are shown in brackets [].
- This document has **16** pages.

ADVICE

- Read each question carefully before you start your answer.

1(a)	
1(b)	

3(a)	
3(b)(i)	
3(b)(ii)	

4(a)

4(b)

6
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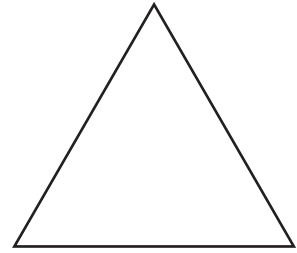
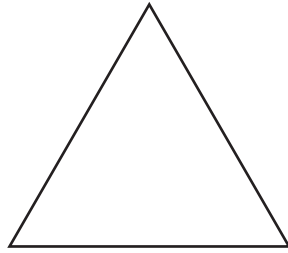
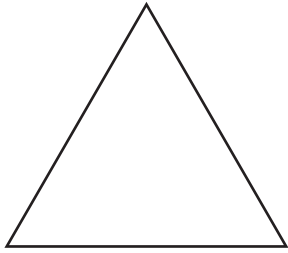
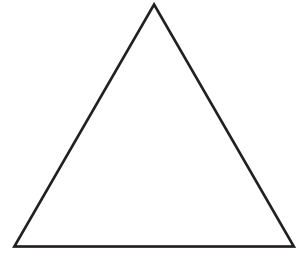
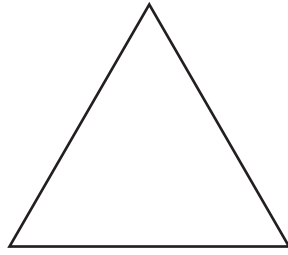
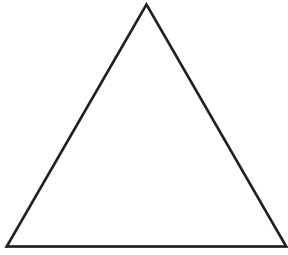
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5(a)

5(b)

6(a)	
6(b)	

7(a)



A series of 18 horizontal lines providing space for writing.

7(b)

	<i>i</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>p</i>	<i>q</i>
<i>i</i>	<i>i</i>	<i>a</i>	<i>b</i>	<i>c</i>	<i>p</i>	<i>q</i>
<i>a</i>	<i>a</i>					
<i>b</i>	<i>b</i>					
<i>c</i>	<i>c</i>					
<i>p</i>	<i>p</i>					
<i>q</i>	<i>q</i>					

7(c)	
7(d)(i)	
7(d)(ii)	
7(e)	

