



Oxford Cambridge and RSA

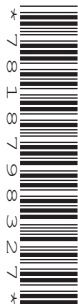
**Monday 27 June 2022 – Afternoon**

**A Level Further Mathematics B (MEI)**

**Y436/01 Further Pure with Technology**

**Printed Answer Booklet**

**Time allowed: 1 hour 45 minutes**



**You must have:**

- Question Paper Y436/01 (inside this document)
- the Formulae Booklet for Further Mathematics B (MEI)
- a computer with appropriate software
- 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**

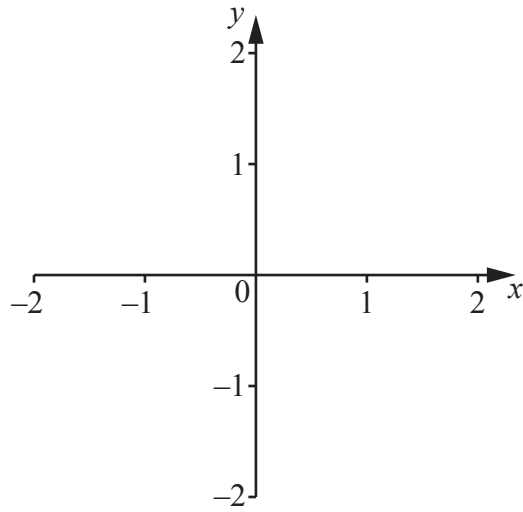
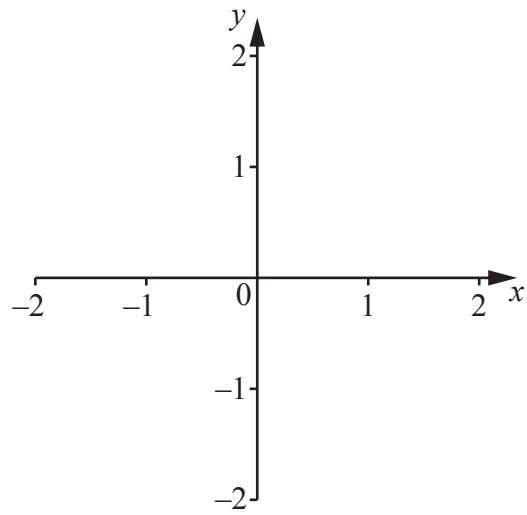
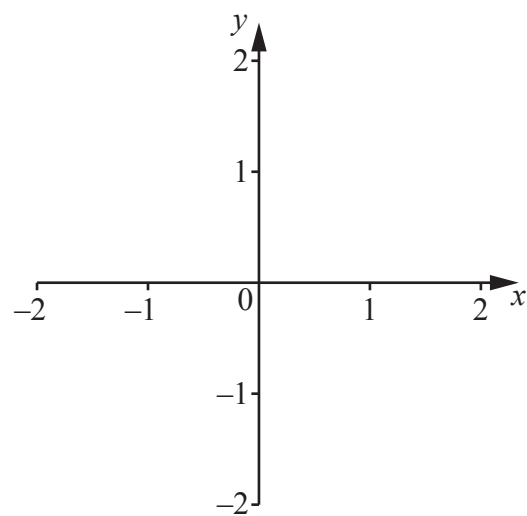
- Use black ink. You can use an HB pencil, but only for graphs and diagrams.
- Write your answer to each question in the space provided in the **Printed Answer Booklet**. If you need extra space use the lined pages at the end of the Printed Answer Booklet. The question numbers must be clearly shown.
- 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.

**INFORMATION**

- This document has **12** pages.

**ADVICE**

- Read each question carefully before you start your answer.

**1(a)(i)**  $a = 0$  $a = 0.5$  $a = 2$ 

<b>1(a)(ii)</b>	
<b>1(a)(iii)</b>	
<b>1(b)(i)</b>	

<b>1(b)(ii)</b>	

<b>1(c)</b>	

**(answer space continued on next page)**



<b>2(a)(i)</b>	
<b>2(a)(ii)</b>	
<b>2(a)(iii)</b>	
<b>2(a)(iv)</b>	
<b>2(a)(v)</b>	
<b>2(a)(vi)</b>	

<b>2(b)(i)</b>	

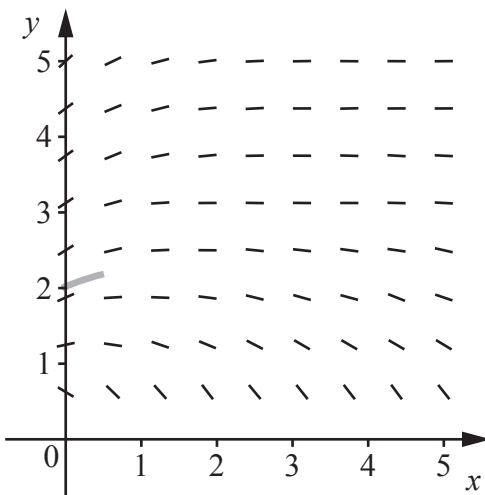
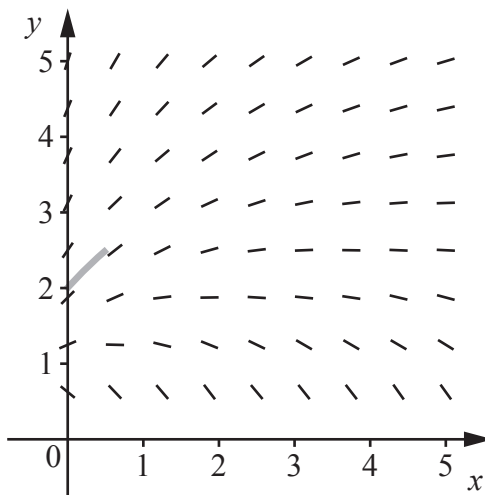
<b>2(b)(ii)</b>	





<b>3(b)(i)</b>	

<b>3(b)(ii)</b>	

<b>3(b)(iii)</b>	 <p><b>Fig. 3.1</b></p>	 <p><b>Fig. 3.2</b></p>
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<b>3(b)(iv)</b>	
<b>3(c)(i)</b>	
	<b>3(c)(ii)</b>

<b>3(c)(iii)</b>	

