# OCR
Oxford Cambridge and RSA

# Friday 22 October 2021 – 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 [ ][ ][ ][ ][ ]    Candidate number [ ][ ][ ][ ]

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**. You can use extra paper if you need to, but you must clearly show your candidate number, the centre number and the question numbers.
- 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
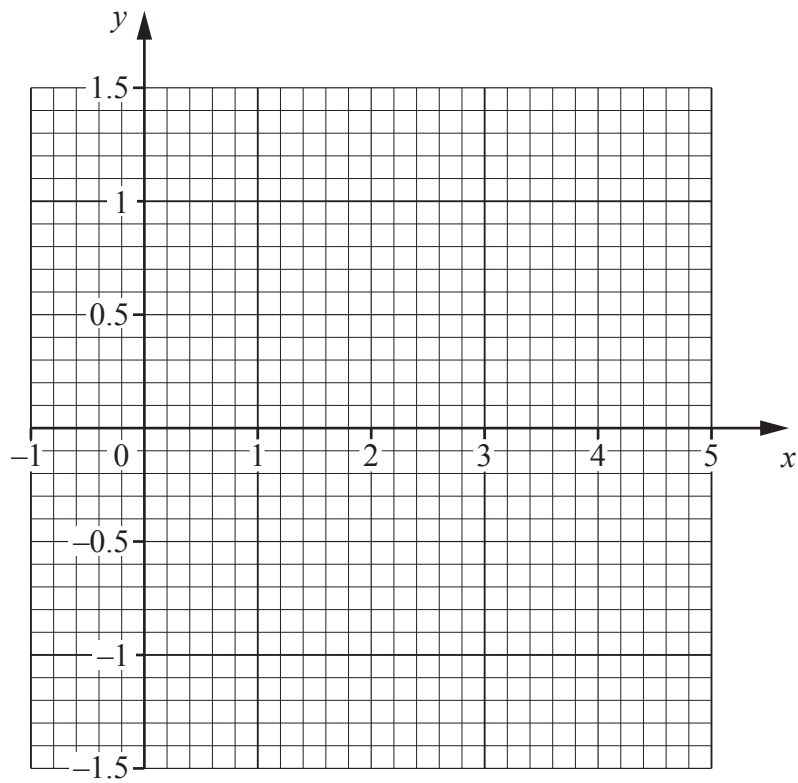- Read each question carefully before you start your answer.

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**Turn over**

**1(a)**

**1(b)**

**1(c)**

**1(a)**

**1(d)**



**1(e)**

**2(a)**

**Turn over**

**2(b)**

**2(c)**

**2(d)**

**3(a)(i)**

**3(a)(ii)**

**3(b)(i)**

| 3(b)(ii) | |
|---|---|

| 3(b)(iii) | |
|---|---|

| 3(b)(iv) | |
|---|---|

**Turn over**
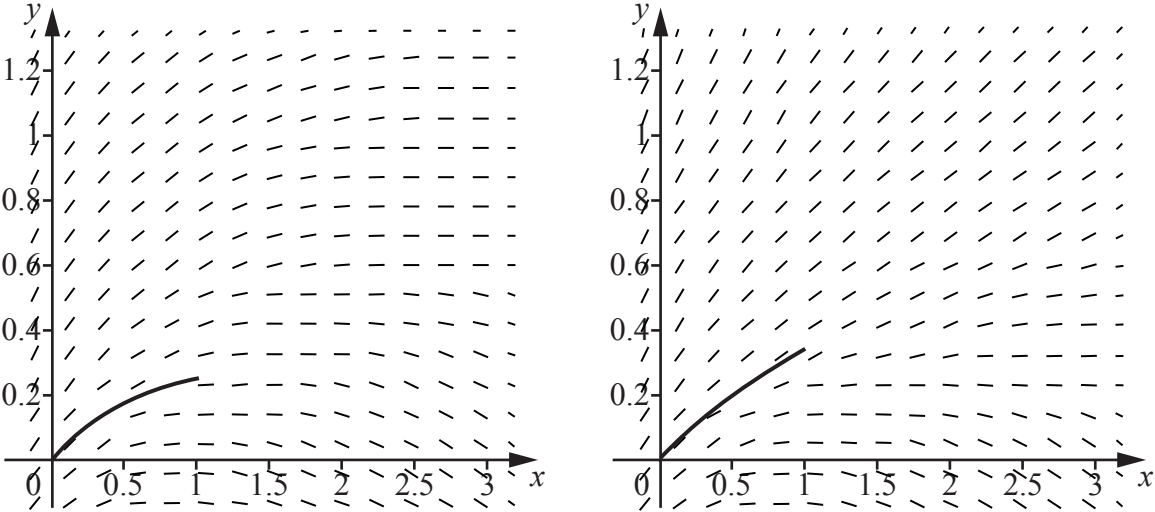
**3(c)(i)**

**3(c)(ii)**

**3(c)(iii)**

**4(a)(i)**

**4(a)(ii)**



**4(a)(iii)**

| 4(b)(i) | |
|---|---|
| | |

| 4(b)(ii) | |
|---|---|
| | |

**4(b)(iii)**



**4(b)(iv)**

**4(c)(i)**

**4(c)(ii)**

**4(c)(iii)**

**Turn over**

**4(c)(iv)**