

OCR

Oxford Cambridge and RSA

Accredited

A Level Further Mathematics B (MEI)

Y436 Further Pure with Technology

Printed Answer Booklet

Date – Morning/Afternoon

Time allowed: 1 hour 45 minutes

OCR supplied materials:

- Printed Answer Booklet
- Formulae Further Mathematics B (MEI)

You must have:

- Printed Answer Booklet
- Formulae Further Mathematics B (MEI)
- Scientific or graphical calculator
- Computer with appropriate software



First name	
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Last name	
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Centre number					
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Candidate number					
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INSTRUCTIONS

- Use black ink. HB pencil may be used for graphs and diagrams only.
- Complete the boxes provided on the Printed Answer Booklet with your name, centre number and candidate number.
- Answer **all** the questions.
- **Write your answer to each question in the space provided in the Printed Answer Booklet.**
- Additional paper may be used if necessary but you must clearly show your candidate number, centre number and question number(s).
- Do **not** write in the bar codes.
- You are permitted to use a scientific or graphical calculator in this paper.
- Final answers should be given to a degree of accuracy appropriate to the context.

COMPUTING RESOURCES

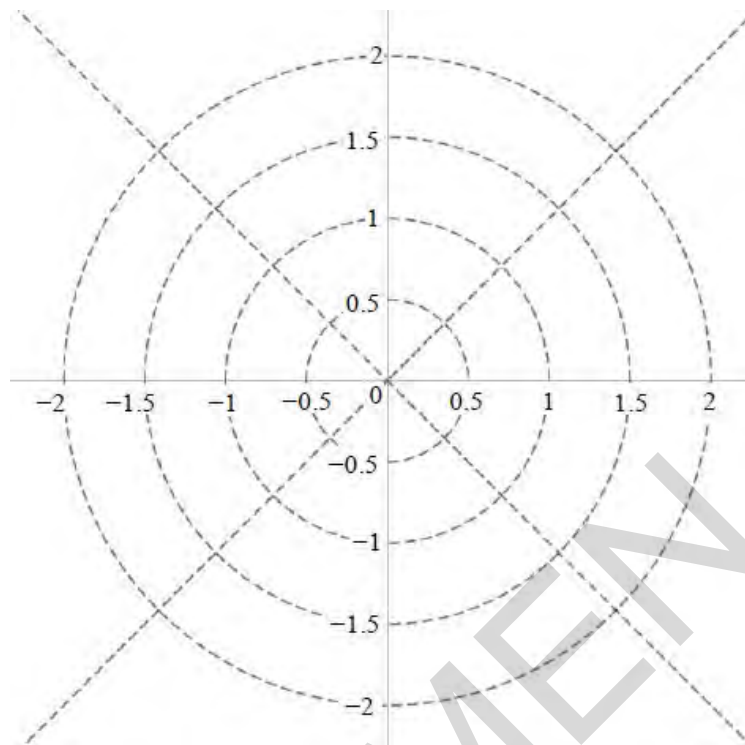
- Candidates will require access to a computer with a computer algebra system, a spreadsheet, a programming language and graph-plotting software throughout the examination.

INFORMATION

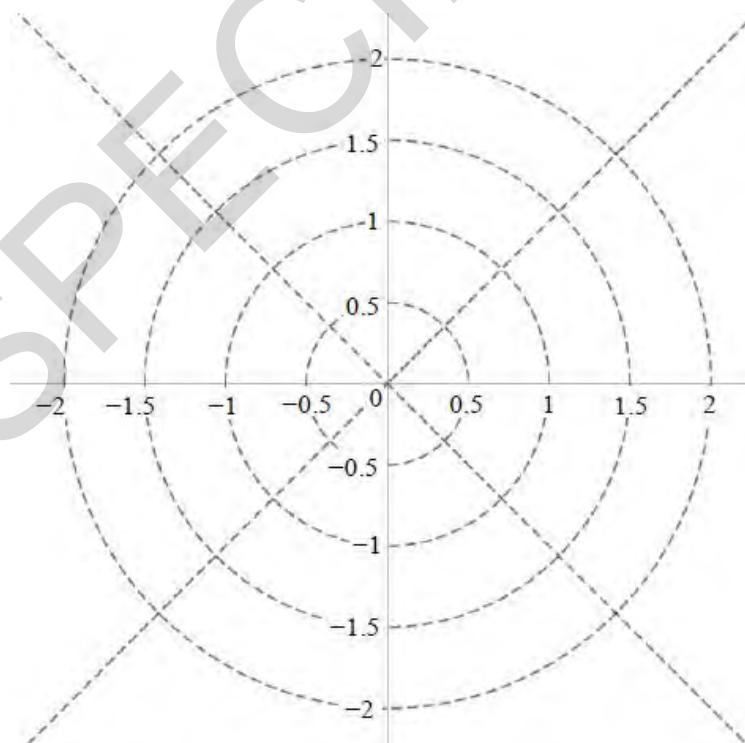
- You are advised that an answer may receive **no marks** unless you show sufficient detail of the working to indicate that a correct method is used.
- The Printed Answer Booklet consists of **12** pages. The Question Paper consists of **4** pages.

1 (i)
(A)

$n = 2$



$n = 4$



1 (i) <i>(B)</i>	
1 (i) <i>(C)</i>	
1 (ii) <i>(A)</i>	
1 (ii) <i>(B)</i>	

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1 (iii) (A)	
1 (iii) (B)	
1 (iv)	<p>(answer space continued on next page)</p>

1 (iv) (continued)	
1 (v)	

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2 (i) (A)	
	2 (i) (B)
2 (ii)	

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2 (ii) (A)	
2 (ii) (B)	SPECIMEN
2 (ii) (C)	
2 (ii) (D)	

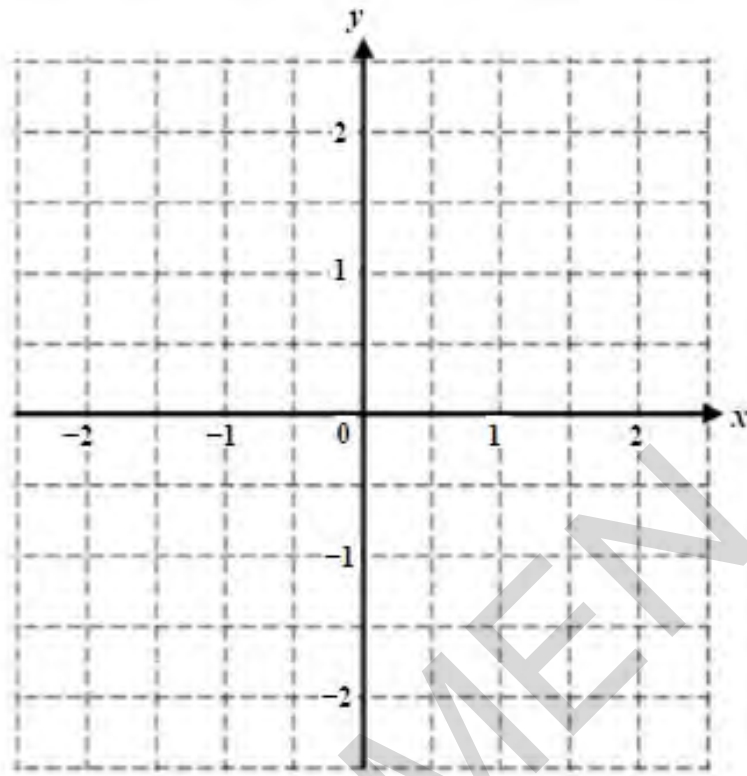
2 (iv) <i>(A)</i>	
	2 (iv) <i>(B)</i>
2 (iv) <i>(C)</i>	

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3 (i)

(A)

$$a = -2$$



3 (i)

(B)

3 (i)

(C)

3 (i)

(D)

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3 (ii) <i>(A)</i>	
3 (ii) <i>(B)</i>	
3 (iii) <i>(A)</i>	
3 (iii) <i>(B)</i>	
3 (iii) <i>(C)</i>	

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3 (iv) <i>(A)</i>	
3 (iv) <i>(B)</i>	

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DO NOT WRITE ON THIS PAGE

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