Oxford Cambridge and RSA

Monday 15 May 2023 – Afternoon

AS Level Further Mathematics B (MEI)

Y410/01 Core Pure

Printed Answer Booklet

Time allowed: 1 hour 15 minutes

AB

You must have:
- Question Paper Y410/01 (inside this document)
- the Formulae Booklet for Further Mathematics B (MEI)
- 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**. 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.

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1(a)	
1(b)	
1(c)	

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2

3

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4

$a =$

$b =$

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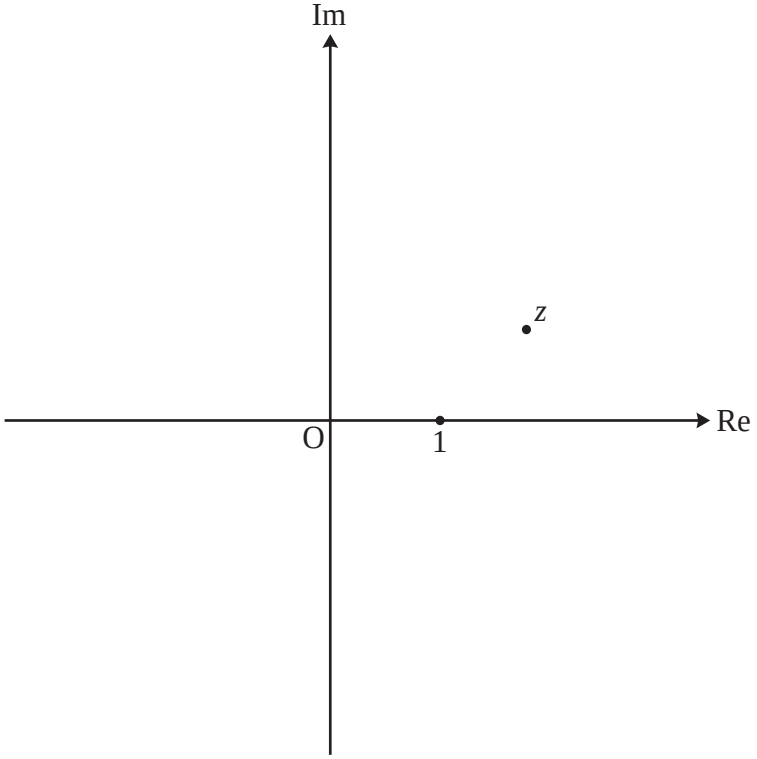
5



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6(a)

$\mathbf{M}^2 =$ $\mathbf{M}^3 =$ $\mathbf{M}^4 =$

6(b)

6(c)

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7(a)	
	$a =$
	$b =$
7(b)(i)	
7(b)(ii)	
7(b)(iii)	

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8(a)

8(b)

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9

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10

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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).

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