



Oxford Cambridge and RSA

**Monday 05 October 2020 – Afternoon**

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

**Y420/01 Core Pure**

**Printed Answer Booklet**

**Time allowed: 2 hours 40 minutes**



**You must have:**

- Question Paper Y420/01 (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

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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 **24** pages.

**ADVICE**

- Read each question carefully before you start your answer.

**Section A (36 marks)**

<b>1</b>	

<b>2(a)</b>	
<b>2(b)</b>	



**4(a)**


**4(b)**


<b>5(a)</b>	
<b>5(b)</b>	
<b>5(c)</b>	



**Section B** (108 marks)

7	



8(a)


8(b)


<b>9(a)</b>	
<b>9(b)</b>	



<b>11(a)</b>	
<b>11(b)</b>	
<b>11(c)</b>	

<b>12(a)</b>	
<b>12(b)</b>	

<b>13(a)</b>	
<b>13(b)</b>	
<b>13(c)</b>	
<b>13(d)</b>	







<b>15(a)</b>	

<b>15(b)</b>	

<b>15(c)</b>	
<b>15(d)</b>	

<b>15(e)(i)</b>	
<b>15(e)(ii)</b>	

<b>16(a)(i)</b>	
<b>16(a)(ii)</b>	



<b>16(c)(i)</b>	
<b>16(c)(ii)</b>	

<b>16(d)</b>	
	<b>16(e)</b>

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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