

# OCR

Oxford Cambridge and RSA

## Wednesday 16 May 2018 – Morning

### AS GCE MATHEMATICS

4721/01 Core Mathematics 1

#### PRINTED ANSWER BOOK

Candidates answer on this Printed Answer Book.

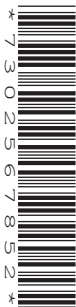
**OCR supplied materials:**

- Question Paper 4721/01 (inserted)
- List of Formulae (MF1)

**Other materials required:**

None

**Duration:** 1 hour 30 minutes



Candidate forename		Candidate surname	
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Centre number						Candidate number				
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#### INSTRUCTIONS TO CANDIDATES

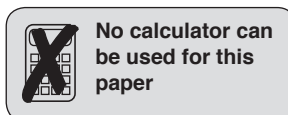
These instructions are the same on the Printed Answer Book and the Question Paper.

- The Question Paper will be found inside the Printed Answer Book.
- Write your name, centre number and candidate number in the spaces provided on the Printed Answer Book. Please write clearly and in capital letters.
- **Write your answer to each question in the space provided in the Printed Answer Book.** If additional space is required, you should use the lined page(s) at the end of the Printed Answer Book. The question number(s) must be clearly shown.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Answer **all** the questions.
- Read each question carefully. Make sure you know what you have to do before starting your answer.
- Do **not** write in the barcodes.
- You are **not** permitted to use a calculator in this paper.
- Give non-exact numerical answers correct to 3 significant figures unless a different degree of accuracy is specified in the question or is clearly appropriate.

#### INFORMATION FOR CANDIDATES

This information is the same on the Printed Answer Book and the Question Paper.

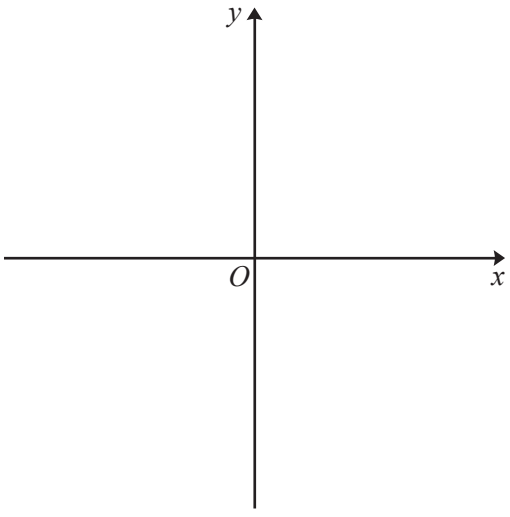
- The number of marks is given in brackets [ ] at the end of each question or part question on the Question Paper.
- **You are reminded of the need for clear presentation in your answers.**
- The total number of marks for this paper is **72**.
- The Printed Answer Book consists of **12** pages. The Question Paper consists of **4** pages. Any blank pages are indicated.



<b>1</b>	
<b>2 (i)</b>	
<b>2 (ii)</b>	

3

4

<b>5 (i)</b>	
<b>5 (ii)</b>	
<b>6 (i)</b>	 <p>A Cartesian coordinate system with a horizontal x-axis and a vertical y-axis. The origin is labeled 'O'.</p>
<b>6 (ii)</b>	
<b>6 (iii)</b>	

<b>7 (i)</b>	
<b>7 (ii)</b>	
<b>7 (iii)</b>	

8	

<b>9 (i)</b>	
<b>9 (ii)</b>	







<b>11 (i)</b>	
<b>11 (ii)</b>	

<b>11 (iii)</b>	
<b>11 (iv)</b>	

