



Oxford Cambridge and RSA

# AS Level Further Mathematics A

Y531/01 Pure Core

Printed Answer Booklet

**Monday 14 May 2018 – Afternoon**

**Time allowed: 1 hour 15 minutes**



**You must have:**

- Question Paper Y531/01 (inserted)
- Formulae AS Level Further Mathematics A

**You may use:**

- a scientific or graphical calculator



First name										
Last name										
Centre number						Candidate number				

## 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.** If additional space is required, you should use the lined page(s) at the end of the Printed Answer Booklet. The question number(s) must be clearly shown.
- Do **not** write in the barcodes.
- 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.
- The acceleration due to gravity is denoted by  $g\text{ m s}^{-2}$ . Unless otherwise instructed, when a numerical value is needed, use  $g = 9.8$ .

## INFORMATION

- **You are reminded of the need for clear presentation in your answers.**
- The Printed Answer Booklet consists of **12** pages. The Question Paper consists of **4** pages.

<b>1 (i)</b>	

<b>1 (ii)</b>	

<b>2</b>	

<b>3(i)</b>	

<b>3 (ii)</b>	
<b>3 (iii)</b>	
<b>3 (iv)</b>	

<b>4(i)</b>	
<b>4(ii)</b>	
<b>4(iii)</b>	

<b>5 (i)</b>	
<b>5 (ii)</b>	

<b>5 (iii)</b>	

<b>6 (i)</b>	

<b>6 (ii)</b>	
<b>6 (iii)</b>	







<b>8 (ii)</b>	

<b>8 (iii)</b>	

