

## AS Level Further Mathematics A Y531 Pure Core

Printed Answer Booklet

Version 2

### Date – Morning/Afternoon

Time allowed: 1 hour 15 minutes

**You must have:**

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

**You may have:**

- a scientific or graphical calculator



First name

Last name

Centre  
number

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Candidate  
number

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#### INSTRUCTIONS

- The Question Paper will be found inside the Printed Answer Booklet.
- 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.
- Give non-exact numerical answers correct to 3 significant figures unless a different degree of accuracy is specified in the question
- 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</b>	

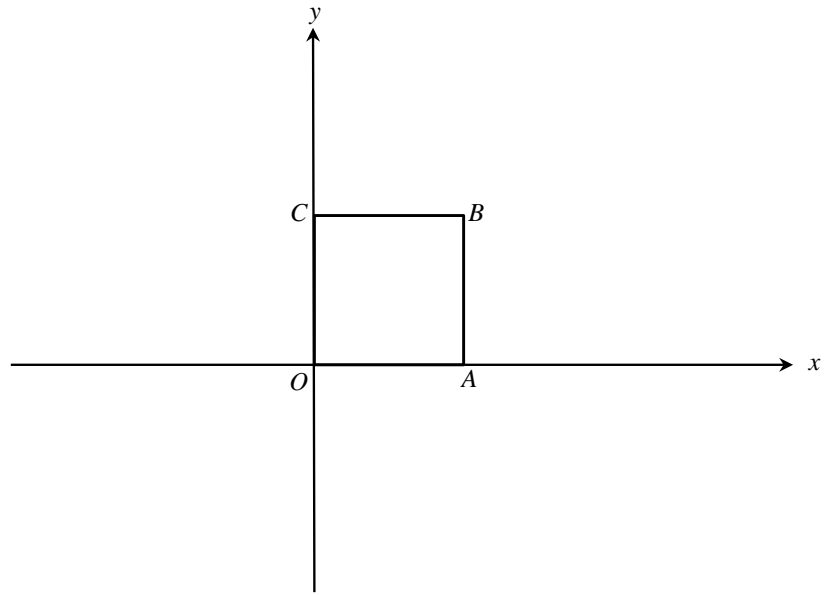
<b>2(i)</b>	

<b>2(ii)</b>	



<b>3(iii) (continued)</b>	
<b>4</b>	

5(i)



5(ii)

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

**PLEASE DO NOT WRITE IN THIS SPACE**









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

<b>9(iii)</b>	

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