

# Friday 17 June 2022 – Afternoon

# AS Level Further Mathematics A

**Y535/01** Additional Pure Mathematics

## Printed Answer Booklet

### Time allowed: 1 hour 15 minutes



Y	'ou must have:
•	Question Paper Y535/01 (inside this document)
•	the Formulae Booklet for AS Level Further
	Mathematics A

• 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 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  $gm s^{-2}$ . When a numerical value is needed use g = 9.8 unless a different value is specified in the question.

### INFORMATION

- The total mark for this paper is 60.
- The marks for each question are shown in brackets [].
- This document has **16** pages.

### ADVICE

• Read each question carefully before you start your answer.

<b>1(a)</b>	
<b>1(b)</b>	
1(0)	

2	

<b>3</b> (a)	
3(b)(i)	
<b>3(D)(I)</b>	
3(b)(ii)	
- (- / ( /	

<b>4(a)</b>	
4(b)	

PLEASE DO NOT WRITE ON THIS PAGE

5(a)	
5(b)	

<b>6(a)</b>	
<b>6(b)</b>	

<b>6(c)</b>	



7(a)		

# 7(b)

)		I		I	l		
		i	а	b	С	р	q
	i	i	а	b	С	р	q
	а	а					
	b	Ь					
	С	С					
	р	р					
	q	q					

7(c)	
7(d)(i)	
7(d)(ii)	
, (u)(II)	
7(e)	

## 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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