

Friday 22 May 2020 – Afternoon

AS Level Further Mathematics A

Y535/01 Additional Pure Mathematics

Printed Answer Booklet

Time allowed: 1 hour 15 minutes



You must have:
Question Paper Y5
• the Fermulae Real

- 35/01 (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 guestion 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 gms^{-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 **12** pages.

ADVICE

Read each question carefully before you start your answer.

1(a)	
1(b)	
2(a)	

2(b)(i)	
2(b)(ii)	

3(a)											
-											
3(b)								 			
-								 			
-								 			
-								 			
-								 			
_											
3(c)											
-								 			
-								 			
4(a)	× ₁₄	2	4	6	8	10	12	 			
4(a)	× ₁₄ 2	2 4	4	6 12	8	10	12			 	
4(a)					8	10	12			 	
4(a)	2 4 6	4			8	10	12				
4(a)	2 4 6 8	4 8			8	10	12				
4(a)	2 4 6 8 10	4 8			8	10	12				
4(a)	2 4 6 8	4 8			8	10	12				
4(a)	2 4 6 8 10	4 8			8		12				
4(a)	2 4 6 8 10	4 8			8		12				
4(a)	2 4 6 8 10	4 8			8		12				
4(a)	2 4 6 8 10	4 8			8		12				
4(a)	2 4 6 8 10	4 8			8						

4(b)	
(U)F	
4(c)(i)	
4(c)(ii)	

5

5(a)	
5(b)	

6(a)	
6(b)	

7(a)(i)	
7(a)(ii)	
7(b)(i)	
7(b)(ii)	

7(c)	

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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