

Monday 05 October 2020 – Afternoon

AS Level Further Mathematics A

Y531/01 Pure Core

Printed Answer Booklet

Time allowed: 1 hour 15 minutes



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- Question Paper Y531/01 (inside this document)
 the Formulae Booklet for AS Level Further
- the Formulae Booklet in 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 **12** pages.

ADVICE

• Read each question carefully before you start your answer.

PLEASE DO NOT WRITE ON THIS PAGE

3

1	
-	

2 (a)	
2(b)	
2(c)	
2(c)	

2(d)	
2(e)	

3(a)(i)	
3(a)(ii)	
3(a)(iii)	
3(b)	
3(c)	

4 (a)	
4(b)	

8

5	

9

7 (a)	
7(b)	
7 (c)	

8 (a)	
8 (b)	

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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