

Wednesday 18 June 2025 – Afternoon

A Level Further Mathematics B (MEI)

Y434/01 Numerical Methods

Printed Answer Booklet

Time allowed: 1 hour 15 minutes

You must have:

- Question Paper Y434/01 (inside this document)
- the Formulae Booklet for Further Mathematics B (MEI)
- a scientific or graphical calculator

AB



Please write clearly in black ink. **Do not write in the barcodes.**

Centre number

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Candidate number

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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 page 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 your final answers to a degree of accuracy that is appropriate to the context.

INFORMATION

- This document has **12** pages.

ADVICE

- Read each question carefully before you start your answer.

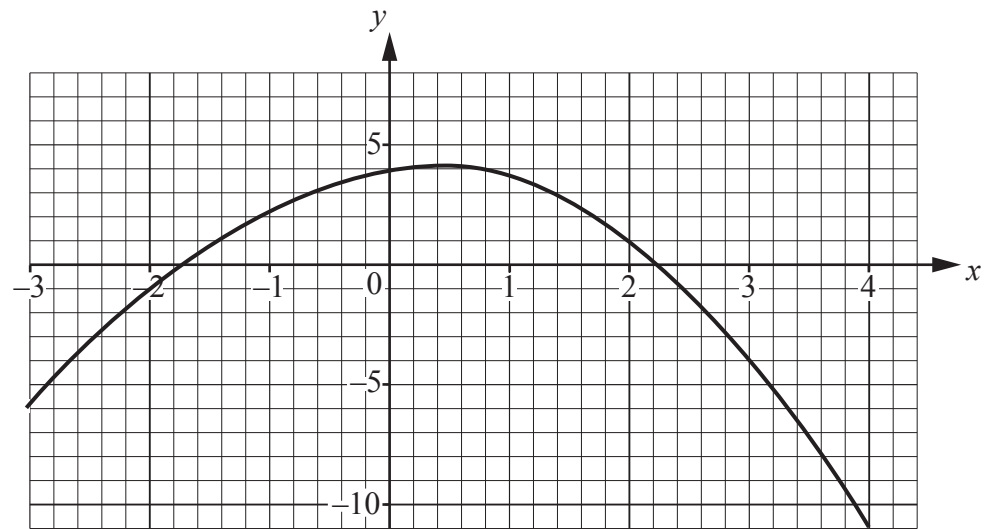
1(a)	
1(b)	
2(a)(i)	
2(a)(ii)	

2(b)**2(c)**

3(a)	<table><tr><td>n</td><td>M_n</td><td>T_n</td><td>S_{2n}</td></tr><tr><td>1</td><td></td><td></td><td>1.081111</td></tr><tr><td>2</td><td>1.074256</td><td></td><td></td></tr></table>				n	M_n	T_n	S_{2n}	1			1.081111	2	1.074256		
	n	M_n	T_n	S_{2n}												
	1			1.081111												
	2	1.074256														

3(b)				

4(a)



4(b)

4(c)	
5(a)	
5(b)	
5(c)	

5(d)	
5(e)	
5(f)	
6(a)	

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

7(d)	
7(e)(i)	
	$x_1 =$
	$x_2 =$
	$x_3 =$
	$x_4 =$
7(e)(ii)	
7(f)	

8(a)	
8(b)	

8(c)		
		$B =$
		$C =$
8(d)		
8(e)		
8(f)		

[illegible]

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