

## AS Level Further Mathematics B (MEI)

### Y414 Numerical Methods

Printed Answer Booklet

## Date – Morning/Afternoon

Time allowed: 1 hour 15 minutes

**You must have:**

- Question Paper Y414 (inserted)
- Formulae Further Mathematics B (MEI)

**You may use:**

- a scientific or graphical calculator



First name

Last name

Centre number

Candidate number

### 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.
- In each question you must show sufficient detail of the method(s) which you are using.
- Final answers should be given to a degree of accuracy appropriate to the context.

### INFORMATION

- You are advised that an answer may receive **no marks** unless you show sufficient detail of the working to indicate that a correct method is used. You should communicate your method with correct reasoning.
- The Printed Answer Booklet consists of **12** pages. The Question Paper consists of **8** pages.

<b>1(i)</b>	
<b>1(ii)</b>	
<b>2(i)</b>	

<b>2 (ii)</b>	
<b>2 (iii)</b>	

**DO NOT WRITE IN THIS SPACE**

<b>3 (i)</b>	
<b>3 (ii)</b> <i>(A)</i>	
<b>3 (ii)</b> <i>(B)</i>	

<b>4 (i)</b>	
<b>4 (ii)</b>	
<b>4(iii)</b>	
<b>4 (iv)</b>	
<b>5 (i)</b>	
<b>5 (ii)</b>	
<b>5 (iii)</b>	

**6 (i)**  
*(A)*


**6 (i)**  
*(B)*


<b>6 (ii)</b>	
<b>6 (iii)</b>	

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<b>7 (i)</b>	
<b>7 (ii)</b>	
<b>7 (iii)</b>	
<b>7 (iv)</b>	
<b>7 (v)</b>	



<b>8 (i)</b> (A)	
	<b>8 (i)</b> (B)

<b>8 (ii)</b> <i>(A)</i>	
<b>8 (ii)</b> <i>(B)</i>	
<b>8 (iii)</b>	
<b>8 (iv)</b>	
<b>8 (v)</b>	

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