

A Level Further Mathematics B (MEI)**Y431 Mechanics Minor**

Printed Answer Booklet

Version 2

Date – Morning/Afternoon

Time allowed: 1 hour 15 minutes

You must have:

- Question Paper Y431 (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.
- Final answers should be given to a degree of accuracy appropriate to the context.
- The acceleration due to gravity is denoted by $g \text{ m s}^{-2}$. Unless otherwise instructed, when a numerical value is needed, use $g = 9.8$.

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.

1 (i)		
1 (ii)		
	2	
(answer space continued on next page)		

2 (continued)	
3 (i)	
3 (ii)	

3 (iii)	
4 (i)	

4(ii)**5 (i)**

5 (ii)	
5 (iii)	
5 (iv)	

6 (i)**6 (ii)****(answer space continued on next page)**

6 (ii) (continued)	
6 (iii)	
6 (iv)	

7 (i)

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7 (ii)	
	7 (iii)

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