

Thursday 15 October 2020 – Afternoon

A Level Further Mathematics B (MEI)

Y431/01 Mechanics Minor

Printed Answer Booklet

Time allowed: 1 hour 15 minutes



You	must	have:

- Question Paper Y431/01 (inside this document)
- the Formulae Booklet for Further Mathematics B
- (MEI)
- 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**. You can use extra paper if you need to, but you must clearly show your candidate number, the centre number and the question numbers.
- 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.
- 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

• This document has **12** pages.

ADVICE

• Read each question carefully before you start your answer.

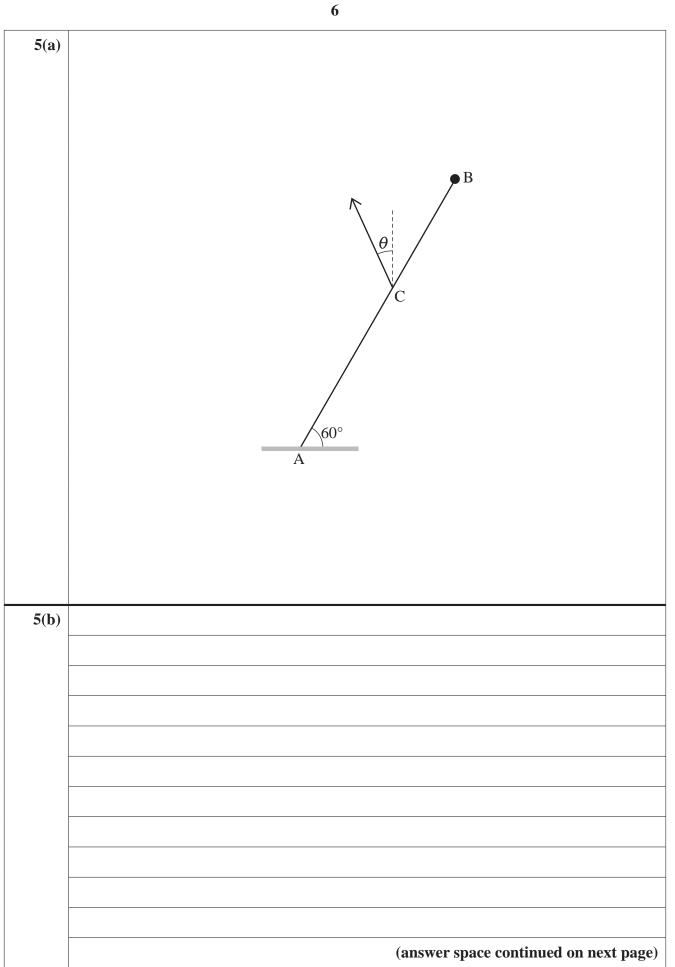
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1(b)	
1(c)	

2 (a)	
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3 (a)	
3(b)	
3(c)	
3 (d)	

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5(b)	(continued)
5(c)	
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5(c)	(continued)

9

6(a)	

6(b)	
6(c)	

6(d)	

6(e)	
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