



Oxford Cambridge and RSA

AS Level Further Mathematics B (MEI)

Y411/01 Mechanics a

Printed Answer Booklet

Thursday 17 May 2018 – Afternoon

Time allowed: 1 hour 15 minutes



You must have:

- Question Paper Y411/01 (inserted)
- Formulae Further Mathematics B (MEI)

You may use:

- a scientific or graphical calculator



First name										
Last name										
Centre number						Candidate number				

INSTRUCTIONS

- 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 barcodes.
- 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	

2(i)	
2(ii)	
2(iii)	

2(iv)	
2(v)	
3(i)	

3(ii)	
3(iii)(A)	
3(iii)(B)	

3(iv)	

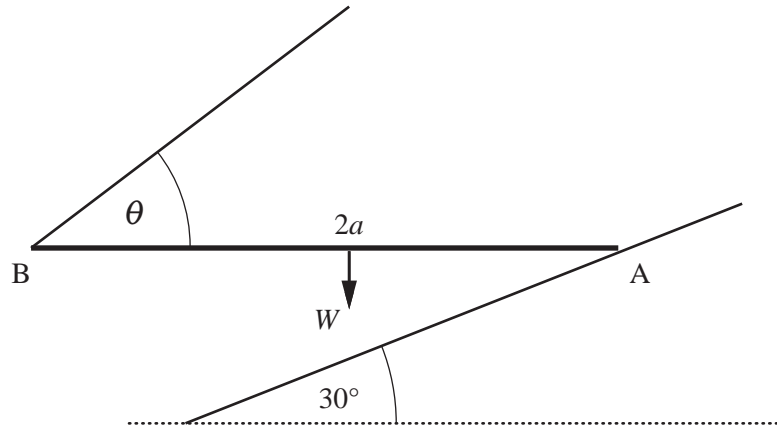
4(i)	

4(ii)	
	(answer space continued on next page)

4(ii)	(continued)
4(iii)	

5(ii)	
	5(iii)(A)
5(iii)(B)	

6(i)



6(ii)

6(iii)	

6(iv)	

(answer space continued on next page)

6(iv)	(continued)



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