

# AS Level Further Mathematics B (MEI)

**Y411/01** Mechanics a Printed Answer Booklet

# Thursday 17 May 2018 – Afternoon Time allowed: 1 hour 15 minutes

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#### 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  $gm s^{-2}$ . 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.

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2(ii)	
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2(iv)	
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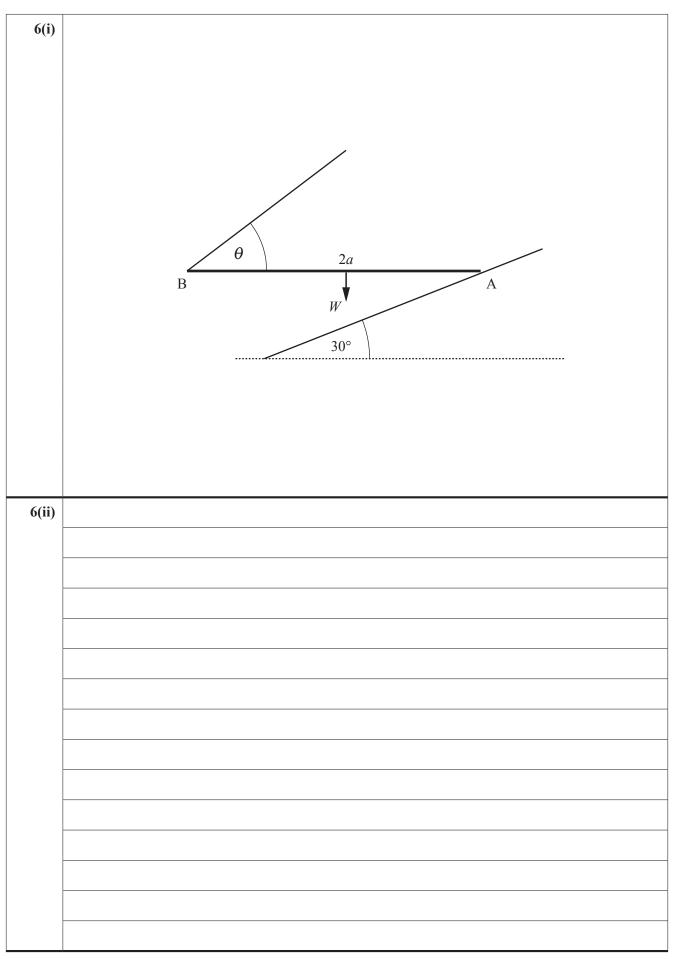
3(ii)	
<b>3(iii)</b> (A)	
<b>3(iii)</b> ( <i>B</i> )	

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4(i)	
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4(ii)	(continued)
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5(i)	

5(ii)	
<b>5(iii)</b> (A)	
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6(iv)	(continued)



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