



Oxford Cambridge and RSA

Wednesday 22 May 2019 – Morning

AS Level Mathematics A

H230/02 Pure Mathematics and Mechanics  
Printed Answer Booklet

Time allowed: 1 hour 30 minutes



**You must have:**

- Question Paper H230/02 (inserted)

**You may use:**

- 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**

- The Question Paper will be found inside the Printed Answer Booklet.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- 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).
- You are permitted to use a scientific or graphical calculator in this paper.
- Give non-exact numerical answers correct to 3 significant figures unless a different degree of accuracy is specified in the question.
- The acceleration due to gravity is denoted by  $g\text{ms}^{-2}$ . Unless otherwise instructed, when a numerical value is needed, use  $g = 9.8$ .

**INFORMATION**

- **You are reminded of the need for clear presentation in your answers.**
- The Printed Answer Booklet consists of 12 pages. The Question Paper consists of 8 pages.

## Section A: Pure Mathematics

<b>1</b>	
<b>2(a)</b>	
<b>2(b)</b>	
<b>2(c)</b>	

<b>3(a)</b>							
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**Section B: Mechanics**

<b>9</b>	
<b>10(a)</b>	
<b>10(b)</b>	





<b>11(d)</b>	
<b>11(e)</b>	
<b>11(f)</b>	

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