

AS Level Mathematics A

H230/02 Pure Mathematics and Mechanics

Printed Answer Booklet

Date – Morning/Afternoon

Time allowed: 1 hour 30 minutes

You must have:

- Question Paper H230/02 (inserted)

You may use:

- a scientific or graphical calculator



First name										
Last name										
Centre number						Candidate number				

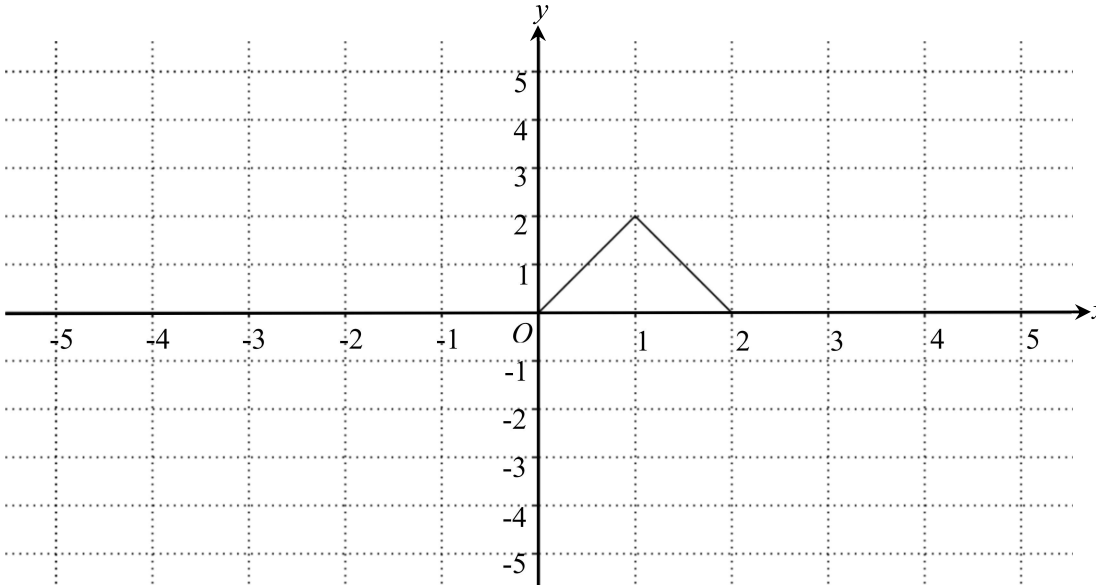
INSTRUCTIONS

- 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.
- 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 $g \text{ m s}^{-2}$. 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

1(a)(i)	 <p>The figure shows a Cartesian coordinate system with a grid. The x-axis and y-axis both range from -5 to 5. The origin is labeled 'O'. A triangle is drawn with vertices at (0, 0), (1, 2), and (2, 0).</p>
1(a)(ii)	
1(b)(i)	
1(b)(ii)	

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

4(a)	

4(b)	

5(a)	

Section B: Mechanics

9(a)	
9(b)	
10(a)	

10(b)	
10(c)	
10(d)	
11(a)	

11(b)	

11(c)	

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