

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**

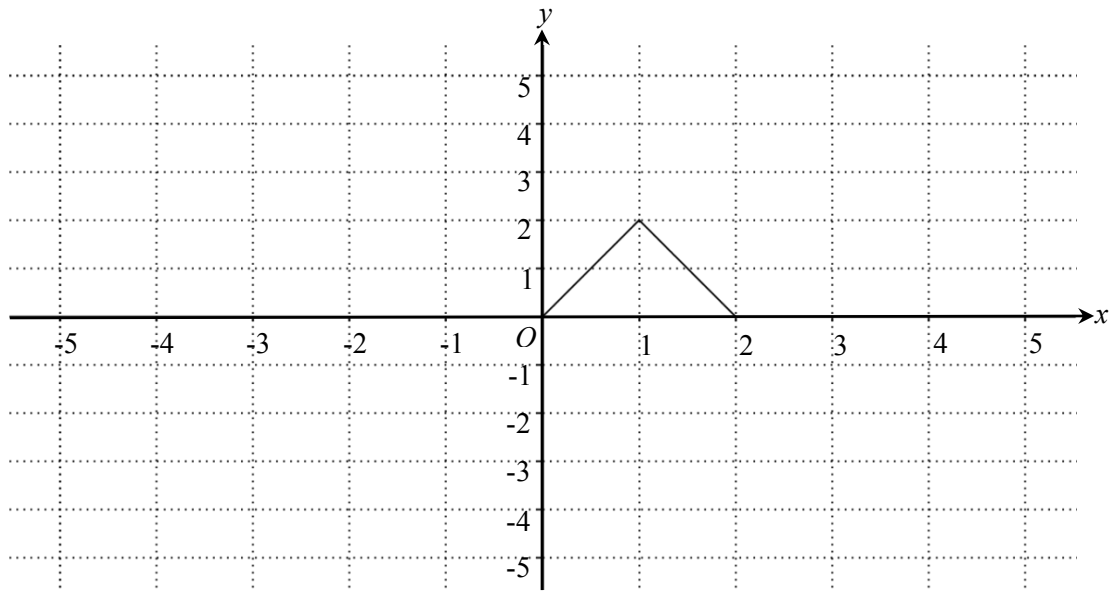
- The Question Paper will be found inside the Printed Answer Booklet.
- Use black ink. HB pencil may be used for graphs and diagrams only.
- Complete the boxes provided on the Printed Answer Booklet with your name, centre number and candidate number.
- Answer all the questions.
- **Write your answer 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)



1(a)(ii)

1(b)(i)

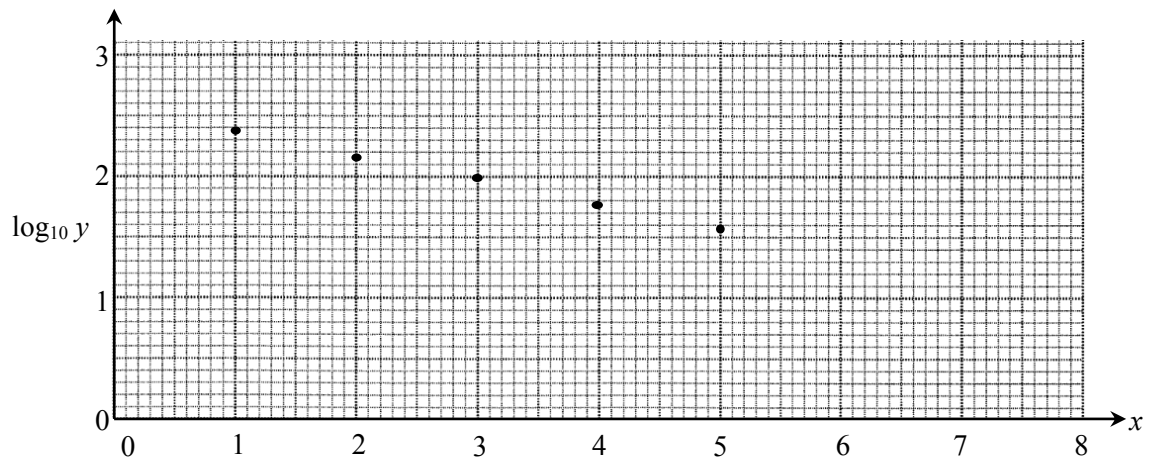
1(b)(ii)

2

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

4(a)	
4(b)	
5(a)	

5(b)



5(c)

6(a)	
6(b)	
7	

8	

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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