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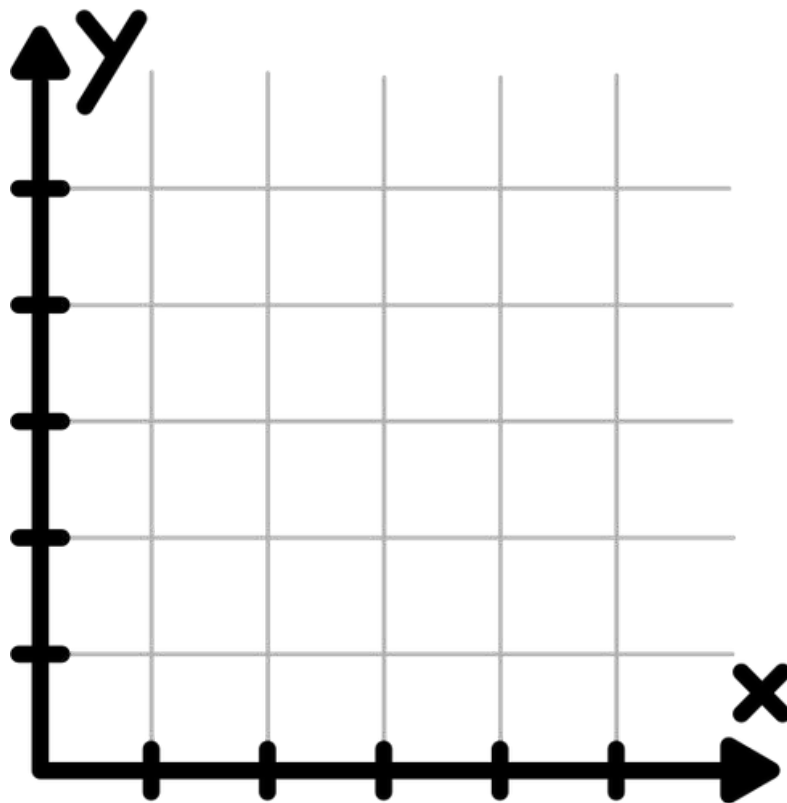
# EDEXCEL IGCSE MATHEMATICS

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PAPER 2H & 2HR (LINEAR)

**COORDINATE GEOMETRY**

QP & MS (2018 - 2025)



COMPILED BY:  
SIR MUHAMMAD ABDULLAH SHAH



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# EDEXCEL IGCSE MATHEMATICS LINEAR FOR MAY & OCT 2026

by Sir Muhammad Abdullah Shah

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# EDEXCEL IGCSE MATHEMATICS LINEAR 2H & 2HR - COORDINATE GEOMETRY

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1. Nov 2025 2H/Q1

The point  $P$  has coordinates  $(3, 4)$

The point  $Q$  has coordinates  $(9, 16)$

$M$  is the midpoint of the line  $PQ$

Find the coordinates of  $M$

(....., .....) )

(Total for Question 1 is 2 marks)



(Total for Question 22 is 6 marks)



# EDEXCEL IGCSE MATHEMATICS LINEAR 2H & 2HR - COORDINATE GEOMETRY

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2. Jan 2023 2H/Q6

The points  $A$  and  $B$  are on a coordinate grid.

The coordinates of  $A$  are  $(6, 4)$

The coordinates of  $B$  are  $(17, j)$  where  $j$  is a constant.

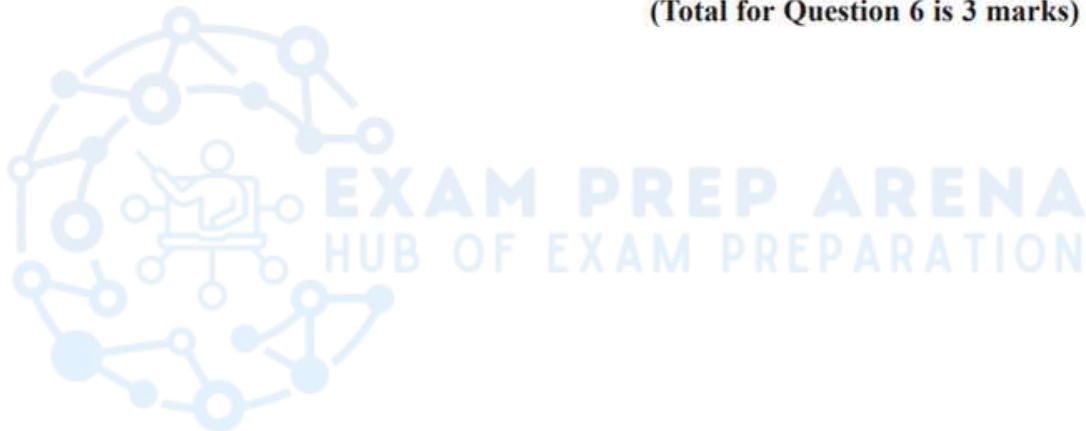
The midpoint of  $AB$  has coordinates  $(k, 15)$  where  $k$  is a constant.

Find the value of  $j$  and the value of  $k$

$j = \dots\dots\dots$

$k = \dots\dots\dots$

**(Total for Question 6 is 3 marks)**



**(Total for Question 22 is 6 marks)**



**EDEXCEL IGCSE MATHEMATICS LINEAR 2H & 2HR - COORDINATE GEOMETRY**  
**COMPILED BY SIR MUHAMMAD ABDULLAH SHAH**  
**MARKING SCHEME**

1. Nov 2025 2H/Q1

International GCSE Maths				
Values in quotation marks must come from a correct method previously seen unless clearly stated otherwise.				
Q	Working	Answer	Mark	Notes
1	$(x =) \frac{3+9}{2} (= \frac{12}{2} = 6)$ oe or $(y =) \frac{4+16}{2} (= \frac{20}{2} = 10)$ oe or $(x =) 6$ or $(y =) 10$ or $(10, 6)$		2	M1 for a <b>correct</b> method to work out the midpoint of x or the midpoint of y or one correct value or (10, 6)
	<i>Correct answer scores full marks (unless from obvious incorrect working)</i>	(6, 10)		A1
			<b>Total 2 marks</b>	

2. Jan 2023 2H/Q6

Question	Working	Answer	Mark	Notes
6	$[k =] \frac{6+17}{2}$ or $[k =] 6 + \frac{17-6}{2}$ oe or $[j =] 4 + 2(15-4)$ or $[j =] 15 + (15-4)$ or $\frac{4+j}{2} = 15$ oe		3	M1
	<i>Correct answers score full marks (unless from obvious incorrect working)</i>	26		A1
	<i>1 correct answer will score M1A1 and both will score M1A1A1</i>	11.5		A1 oe eg $\frac{23}{2}$  both answers the wrong way round scores M1A1 unless the correct answers are clearly labelled in working space
			<b>Total 3 marks</b>	

