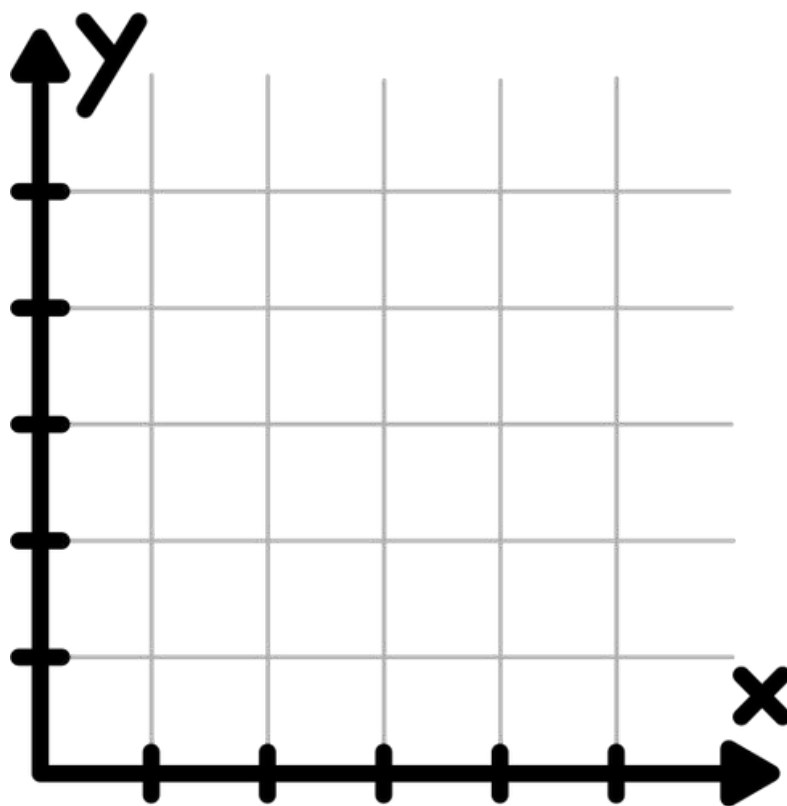

EDEXCEL IGCSE MATHEMATICS

UNIT 2 (MODULAR)

GRAPHS – COORDINATE GEOMETRY

QP & MS (2018 – 2025)



COMPILED BY:
SIR MUHAMMAD ABDULLAH SHAH



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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)



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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.

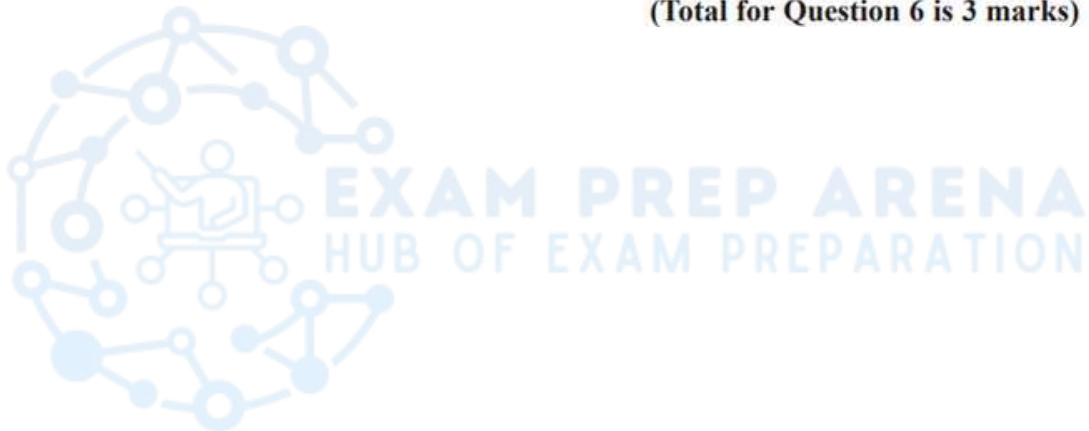
The midpoint of AB has coordinates $(k, 15)$ where k is a constant.

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)



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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 correct 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
			Total 2 marks	

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
			Total 3 marks	

