

Q1. (2018)

(A)

15(a)	Any two of $(-2, -9)$, $(-1, -7)$, $(0, -5)$, $(1, -3)$, $(2, -1)$, $(3, 1)$, $(4, 3)$, $(5, 5)$	M1	gives at least two correct pairs of coordinates, may be in a table implied by points plotted $\pm \frac{1}{2}$ small square
	At least two correct points plotted or at least two of their points plotted correctly	M1dep	implied by correct line which does not have to extend from $x = -2$ to $x = 5$ $\pm \frac{1}{2}$ small square
	Correct line from $(-2, -9)$ to $(5, 5)$	A1	$\pm \frac{1}{2}$ small square ignore ends of line outside $[-2, 5]$
	Additional Guidance		
	Ignore extra points that are incorrect		

(B)

15(b)	3	B1ft	correct or ft the intersection of their graph with the given graph $\pm \frac{1}{2}$ small square
	Additional Guidance		
	Answer 3 with or without correct graph		B1
	Answer $(3, 1)$		B0
	Answer $(x =) 3, y = 1$		B1
	If their graph intersects the given graph at more than one point they need to give the correct x -coordinate of each point of intersection		B1ft

Q2. (2019)

16(b)	Correct ruled straight line from $(-25, -50)$ to $(25, 50)$	B2	$\pm \frac{1}{2}$ small square ignore ends of line outside $[-25, 25]$ B1 two correct points added to the table or at least two correct points plotted or correct line too short but crosses 2 horizontal centimetre squares
	Additional Guidance		
	The correct points in the table or on the graph may be outside $[-25, 25]$ eg $(100, 200)$ and $(-100, -200)$ in the table		B1
	For B1, do not count a point as correct if another point has the same x -coordinate, otherwise ignore extra points that are incorrect		
	The B1 for points plotted cannot be implied by a line – you must see eg crosses or dots		
	Ignore incorrect points in the table if B1 or B2 gained elsewhere		

Q3. (2021)

Q	Answer	Mark	Comments
31	Alternative method 1		
	$6 \times 3 + c = 19$	M1	oe eg $18 + c = 19$
	$(c =) 19 - 6 \times 3$ or $(c =) 1$	M1dep	oe implied by (0, 1)
	$y = 6x + 1$	A1	SC1 $y = 6x + c \quad c \neq 1$
	Alternative method 2		
	$y - 19 = 6(x - 3)$	M1	oe
	$y - 19 = 6x - 18$	M1dep	oe correct equation with brackets expanded
	$y = 6x + 1$	A1	SC1 $y = 6x + c \quad c \neq 1$
	Additional Guidance		
	Allow $y = 6 \times x + 1$		
	$6x + 1$ on answer line, $y = 6x + 1$ seen in working		M1M1A1
	$6x + 1$ on answer line, $y = 6x + 1$ not seen in working		M1M1A0
	$m = 6, c = 1$ on answer line, $y = 6x + 1$ seen in working		M1M1A1
	$m = 6, c = 1$		M1M1A0
	$y = mx + 1$		M1M1A0
	Allow embedded value for c eg $19 = 6 \times 3 + 1$		M1M1A0
	$y = 6x + c$		SC1
	$y = 6x$		SC1
	$6x + c$ on answer line with $c \neq 1, y = 6x + c$ seen in working		SC1
	$6x + c$ on answer line with $c \neq 1, y = 6x + c$ not seen in working		M0M0A0

Q4. (2022)

Q	Answer	Mark	Comments
19(b)	(0, 8)	B1	accept $\begin{smallmatrix} x & y \\ (0, & 8) \end{smallmatrix}$
	Additional Guidance		
	(0x, 8y)		B0

Q5. (2024)

(A)

Q	Answer	Mark	Comments
11(a)	All 4 points plotted correctly with a straight line joining them	B2	$\pm \frac{1}{2}$ square B1 at least two correct points plotted mark intention for straight line
	Additional Guidance		
	Ignore additional or incorrect points for B2 or B1		
	Ignore any line or curve extended outside the range		
	The correct position of the line implies correctly plotted points		

(B)

Q	Answer	Mark	Comments
11(b)	Alternative method 1: uses the graph		
	Vertical line from $x = 2.5$ to their straight line	M1	$\pm \frac{1}{2}$ square implied by mark at correct point on graph or on vertical axis
	their 8.5	A1ft	$\pm \frac{1}{2}$ square ft their straight line graph if at least B1 awarded in (a)
	Alternative method 2: substitutes into the equation		
	$3 \times 2.5 + 1$	M1	oe
	8.5	A1	
	Alternative method 3: uses values from the table		
	$\frac{7+10}{2}$	M1	oe eg $\frac{4+7+10+13}{4}$
	8.5	A1	
	Additional Guidance		
	Alternative method 1 – must have a line in part (a)		
	Alternative method 1 A vertical line from the x -axis does not need to be drawn if the reading from the graph is correct within tolerance for their graph		

Q6. (2024)

Q	Answer	Mark	Comments
23(a)	C (0, 6)	B1	if answer space is blank, accept (0, 6) written at C on the diagram
	D (3, 0)	B1	if answer space is blank, accept (3, 0) written at D on the diagram
	Additional Guidance		
	For each part mark the answer space unless blank		
	Allow x and y written above the coordinates but do not allow eg (0 x , 6 y)		