Question	Answer	Mark	Comments
1	(3, 1) marked on the grid or stated for P	B1	implied by (3, 5) or (3, –3)
	(3, 5) and (3, –3)	B2ft	ft 4 squares vertically above their (3, 1) and 4 squares vertically below their (3, 1) with P on the line AB but not at A or B B1ft (3, 5) or (3, –3) SC2 (3, 5) and (3, –3) correctly marked on grid SC1 (3, 5) or (3, –3) correctly marked on grid
	Additional Guidance		
	If more than one point marked on the line AB then P must be labelled or used to locate C		
	P (4, 1) Answers (4, 5) and (4, –3)		B0 B2ft
	P (4, 1) Answers (4, 5) and (4, 9)		B0 B1ft

Question	Answer	Mark	Comments
2	(4, 16)	B2	may be on diagram B1 one correct coordinate SC1 (16, 4)
	Additional Guidance		
	B1 may be scored from 4 at the vertex vertically below Q or from 16 at the vertex vertically above P if not contradicted by the answer		

Q	Answer	Mark	Comments
3(a)	(8, 1)	B1	$\overset{x\ \ y}{(8,\ 1)}$ accept
	Additional Guidance		
	$(8x,\ 1y)$		B0

Q	Answer	Mark	Comments
3(b)	(7, 6)	B1	$\overset{x\ \ y}{(7,\ 6)}$ accept
	Additional Guidance		
	$(7x,\ 6y)$		B0

Q	Answer	Mark	Comments
3(c)	(2, 1)	B1	$\overset{x\ \ y}{(2,\ 1)}$ accept
	Additional Guidance		
	$(2x,\ 1y)$		B0
	If two or more parts have (x, y) as (y, x) then give the first 0 and condone the other(s)		
	eg1 (a) (1, 8) (b) (6, 7) (c) (1, 2)		B0 B1 B1
	eg2 (a) (1, 8) (b) (7, 6) (c) (1, 2)		B0 B1 B1
	eg3 (a) (1, 8) (b) (6, 10) (c) (1, 2)		B0 B0 B1
	eg4 (a) (8, 1) (b) (6, 7) (c) (1, 2)		B1 B0 B1

Q	Answer	Mark	Comments
3(d)	$y = 6$ or $6 = y$	B1	accept $y = 0x + 6$
	Additional Guidance		
	$y = x + 6$		B0
	$x = 6$		B0
	6		B0

Q	Answer	Mark	Comments
4(a)	(0, 8)	B1	$\overset{x\ \ y}{(0,\ 8)}$ accept
	Additional Guidance		
	$(0x,\ 8y)$		B0

Q	Answer	Mark	Comments
5(a)	(4, 3)	B1	accept $\overset{x}{4}, \overset{y}{3}$
	Additional Guidance		
	Mark the answer line. If this is blank, the answer may be seen on the diagram but must be the coordinates for P		
	Do not allow x and y within the coordinates eg $(4x, 3y)$		B0

Q	Answer	Mark	Comments
5(b)	$(x, -3)$ where $x \neq 4$	B1	accept eg $\overset{x}{5}, \overset{y}{-3}$
	Additional Guidance		
	Do not allow x and y within the coordinates eg $(5x, -3y)$		B0

Q	Answer	Mark	Comments
6	P (3, 0) Q (5, 5)	B2	B1 P (3, 0) or Q (5, 5) or both x-coordinates correct or both y-coordinates correct SC1 P (5, 5) Q (3, 0)
	Additional Guidance		
	Accept eg $P\ \overset{x}{3}, \overset{y}{0}$		
	Do not accept eg P $(3x, 0y)$		

Q	Answer	Mark	Comments
7	(0, –6)	B1	

Q	Answer	Mark	Comments
8	$-\frac{5}{4}$ or $-1\frac{1}{4}$ or -1.25	B2	B1 $\frac{5}{4}$ or $1\frac{1}{4}$ or 1.25 or $x+4$ and $y-5$ or possible coordinates for P and Q stated or shown on a diagram eg $P(0, 5)$ and $Q(4, 0)$ or right-angled triangle shown with 4 as horizontal length and 5 as vertical length

Additional Guidance	
B1 may be awarded for correct work, with no or incorrect answer, even if this is seen amongst multiple attempts	
Ignore attempts at rounding after correct answer seen	
Accept $\frac{-5}{4}$	B2
Condone $\frac{5}{-4}$	B2
$(x+4)\ (y-5)$	B1
$x+4$ and $y-5$ may be seen embedded in a fraction eg $\frac{y-(y-5)}{x-(x+4)}$ or $\frac{y-(y-5)}{x+(x+4)}$	B1
$-\frac{4}{5}$	B0
$\frac{4}{5}$	B0

Q	Answer	Mark	Comments
9(a)	(0, 3), (1, 2), (2, 1) and (3, 0) plotted with no other points plotted on the grid	B2	B1 at least two of (0, 3), (1, 2), (2, 1) and (3, 0) plotted with up to two other points plotted on the grid or at least four points plotted that would lie on the line $x + y = 3$ where each x and y are not all integers, with no other points plotted on the grid or all four correct coordinates given but not plotted, with no additional coordinates
	Additional Guidance		
	Mark intention		
	Line joining the four correct points with only the four correct points plotted		B2
	Line connecting the four correct points but without points plotted		B1

Q	Answer	Mark	Comments
10(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 $(0x, 6y)$		

Q	Answer	Mark	Comments
11(a)	(–2, –1)	B1	
	Additional Guidance		
	Check the diagram if answer line is blank		

Q	Answer	Mark	Comments
11(b)	(8, –1)	B1	SC1 (–1, –2) in (a) and (–1, 8) in (b)
	Additional Guidance		
	Check the diagram if answer line is blank		