

1	$y = 3x - 6$	M1	for a correct method to find the gradient of the line, or $m = 3$ OR identifies -6 as the intercept in words or in a partial equation OR $y - b = m(x - a)$ where $m \neq 3$ and (a, b) is a correct coordinate	Just ringing -6 is insufficient Award of this mark implies the first M1 c must be seen either as a letter or a number
		M1	for $y = 3x + c$ or (L=) $3x - 6$ or $y = "3"x - 6$ OR $y - y_1 = 3(x - x_1)$ or $y - b = "3"(x - a)$ where (a, b) is a correct coordinate	
		A1	accept $y = 3x + -6$ oe	

2	(a)	0, -4, -6, -4, 0	B2 (B1)	fully correct figures at least 2 correct figures)	Must be a curve If answers stated as coordinates, award M1 for both coordinates and M0 for one coordinate
	(b)	Graph	M1 A1	(dep B1) for at least 5 points correctly plotted fit from (a) fully correct graph	
	(c)	2.6 and -1.6	M1 A1	for $y = -2$ drawn or intersections with $y = -2$ or $y = x^2 - x - 4$ drawn or 1 correct value fit a quadratic graph or for answers in the range 2.5 to 2.7 and -1.5 to -1.7	

3	Graph	B3	for a correct line between $x = -2$ and $x = 4$	Ignore any incorrect points. Points need not be plotted for a correct line (segment) drawn Table of values <table><tr><td>x</td><td>-2</td><td>-1</td><td>0</td><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>y</td><td>-7</td><td>-5</td><td>-3</td><td>-1</td><td>1</td><td>3</td><td>5</td></tr></table>	x	-2	-1	0	1	2	3	4	y	-7	-5	-3	-1	1	3	5
		x	-2		-1	0	1	2	3	4										
		y	-7		-5	-3	-1	1	3	5										
(B2)	for a correct straight line segment through at least 3 of $(-2, -7), (-1, -5), (0, -3), (1, -1), (2, 1), (3, 3), (4, 5)$ or for all of these points plotted but not joined OR for a line drawn with a positive gradient through $(0, -3)$ and clear intention to use a gradient of 2, eg line through $(0, -3)$ going across 2 squares and up 4 squares)																			
		(B1)	for at least 2 correct points stated or plotted OR for a line drawn with a positive gradient through $(0, -3)$ OR a line with gradient 2)	Ignore any incorrect points Coordinates may be in a table or in working																

4	(a)	(10), 5, (2), 1, 2, (5), 10	B2 (B1)	for all 4 values correct for 2 or 3 correct values)	Accept a freehand curve drawn that is not made of line segments If answers stated as coordinates, award M1 for both coordinates and M0 for one coordinate
	(b)	Graph	M1 A1	fit (dep on B1) for plotting at least 5 of their points correctly for a fully correct curve drawn	
	(c)	-0.65 to -0.8 and 2.65 to 2.8	M1 A1	for $y = 4$ drawn or intersection with $y = 4$ or $y = x^2 - 2x - 2$ drawn or 1 correct value fit a quadratic graph fit a quadratic graph or for answers in the range 2.65 to 2.8 and -0.65 to -0.8	