1	(a)		(–2) **–1.5 –1** **–0.5** (0) **0.5**	B2 [B1	for a fully correct table for 2 or 3 correct entries]
	(b)		Correct line	M1 A1	for correctly plotting at least 5 of their points (provided B1 scored in part (a)) or for a straight line with gradient 0.5 or for a straight line through (0,–1) with a positive gradient for a correct line between $x = -2$ and $x = 3$
	(c)		2.6	B1	for answer in the range 2.5 to 2.7 or ft a single straight line with positive gradient

2	Line drawn	B3 (B2 (B1	for a correct line between $x = -3$ and $x = 3$ for a correct straight-line segment through at least 3 of (−3, 13), (−2, 9), (−1, 5), (0, 1), (1, −3), (2, −7), (3, −11) **or** for all of these points plotted but not joined **or** for a line drawn with a negative gradient through (0, 1) **and** clear intention to use a gradient of −4, eg line through (0,1) and (0.5, −1) for at least 2 correct points stated or plotted **or** for a line drawn with a negative gradient through (0, 1) **or** a line with gradient −4)	Ignore any incorrect points Table of values x −3 −2 −1 0 1 2 3 y 13 9 5 1 −3 −7 −11 Ignore any incorrect points coordinates may be in a table or in working

3		$y = 3x - 6$	M1 M1 A1	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 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 accept $y = 3x + -6$ oe	Just ringing -6 is insufficient Award of this mark implies the first M1 c must be seen either as a letter or a number

4	(a)	0, –4, –6, –4, 0	B2 (B1	fully correct figures At least 2 correct figures)	
	(b)	Graph	M1 A1	(dep B1) for at least 5 points correctly plotted ft from (a) fully correct graph	Must be a curve
	(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 ft a quadratic graph **or** for answers in the range 2.5 to 2.7 **and** –1.5 to –1.7	If answers stated as coordinates, award M1 for both coordinates and M0 for one coordinate

5	D, F, A	C2 (C1	for all 3 correct for 1 or 2 correct)	

6	(a)	−10, −6, 2, 6	B2 (B1	for 4 values correct −10, −6, (−2), 2, 6, (10) for 2 or 3 values correct)	
	(b)	Graph drawn	M1 A1	(ft from (a) if B1 awarded) for at least 5 points correctly plotted. correct graph drawn from $x = -1$ to 4	

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