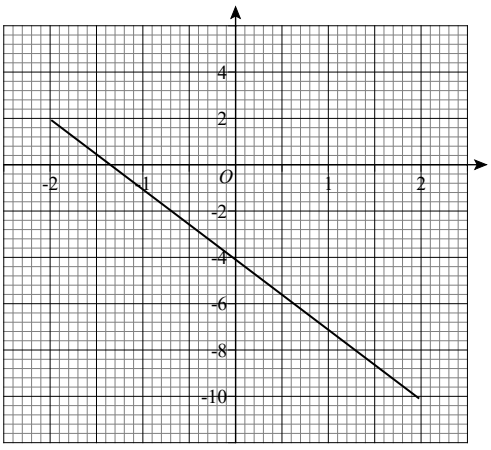
Topic Test 1 Mark Scheme

Graphs recap and extension - Foundation

Q	Answer	Mark	Comments
1(a)	(–2, –1) correctly plotted	B1	
	(1, 1) correctly plotted	B1	
1(b)	(–1, 4) and (–4, 2) or (3, –2) and (0, –4)	B2	B1 Any one of (–1, 4) or (–4, 2) or (3, –2) or (0, –4)
2(a)	–4	B1	
2(b)	At least two points correctly plotted	M1	May be implied by a correct line
	Straight ruled line from –2 to 2  	A1	± ½ square tolerance
3	3	B1	
4	$y = -3x - 6$	B1	
5	**B**	B1	

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Q	Answer	Mark	Comments
6(a)	$\frac{8(-0)}{3-7}$	M1	oe
	–2	A1	SC1 2
6(b)	$y = -2x + 5$	B2	oe B1 $y = -2x + c$ or $y = mx + 5$
7(a)	$\frac{2--2}{-3--5}$	M1	oe
	2	A1	
7(b)	$\frac{1--3}{4-2}$	M1	oe
	2	A1	
7(c)	Both pairs of opposite sides are parallel	B1ft	ft their gradients If their gradients are not equal ft reason should be one pair of parallel sides
	parallelogram	B1ft	ft their gradients If their gradients are not equal ft answer should be trapezium