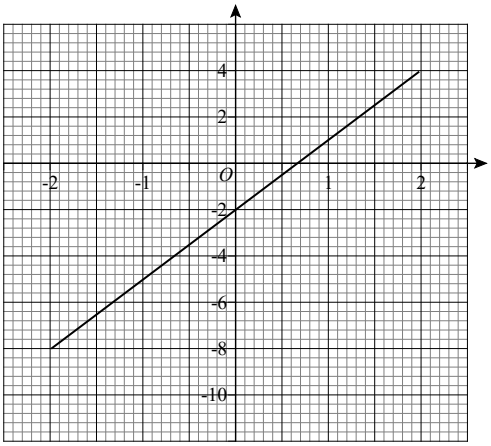
Topic Test 1 Mark Scheme

Coordinates and linear graphs - Foundation

Q	Answer	Mark	Comments
1(a)	$y = 2$	B1	
1(b)	(3, –1)	B1	
2(a)	(–3, 2) correctly plotted	B1	
	(1, –2) correctly plotted	B1	
2(b)	(–3, –6) correctly plotted	B2	B1 any point plotted on $x = -3$ and $y = -6$ or (1, 6) plotted
2(c)	isosceles and right-angled	B2	B1 both correct and 1 incorrect or 1 correct (and 1 incorrect)
3(a)	(4, –1)	B2	B1 $(x, -1)$ or $(4, y)$
3(b)	Two other points that satisfy $y + x = 3$ and are equidistant from (1, 2) eg (0, 3) and (2, 1) or (–1, 4) and (3, 0)	B2	B1Two other points such that $y + x = 3$ or two points equidistant from (1, 2) eg (0, 3) and (3, 0) or (0, 2) and (2, 2)
4(a)	–5	B1	
	1	B1	

Q	Answer	Mark	Comments
4(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
5	Two points that satisfy $y = 12 - 5x$ eg (0, 12) and (1, 7)	B2	B1 1 correct (and 1 incorrect)
6	(5, 6.5)	B2	B1 (x, 6.5) or (5, y)