Topic Test 2 Mark Scheme

Graphs recap and extension - Foundation

Q	Answer	Mark	Comments
1	B and D	B1	
2	A and C	B1	
3	(3, –3)	B1	
4	(–1, –3)	B1	
5	$-4\frac{1}{2}$	B1	
6	Points (2,1) and (4, 5) stated or marked on diagram.	M1	
	Evidence of counting squares or diagram divided into rectangles/triangles	M1dep	
	10	A1	
7	S	B1	
8(a)	Triangle drawn and y-side ÷ x-side shown	M1	
	$\frac{1}{3}$	A1	oe
8(b)	$y = \frac{1}{3}x + 2$	B1ft	ft their gradient in (a)

Q	Answer	Mark	Comments
9	$y + x = 8$	B2	oe B1 for any line of form $y + x = c$ or any line for which (4, 4) is a point on that line.
10	Triangle drawn and y-side ÷ x-side shown or Gradient = 1	B1	
	Intercept = 1	B1	May be shown by line drawn through *A* and *B*.
	$y = x + 1$	B1	
11	$y = –3x + c$	M1	
	$3 = –3 \times 2 + c$	M1dep	
	$y = –3x + 9$	A1	oe