

# Topic Test 1 Mark Scheme

Algebra recap and review - Higher

Q	Answer	Mark	Comments
1	$y - 2x = 0$	B1	
2	$y = \frac{8-x}{2}$	B1	
3	$y - 2x = 0$	B1	
4	$y = (3x + 8) \div 2$ or substitutes $x = 0$	M1	oe
	(0,4)	A1	
5	$\frac{6-0}{0-2}$	M1	oe
	-3	A1	
	$y = -3x + 6$	A1ft	oe ft their gradient
6	$3x = 2 - 14$	M1	
	-4	A1	
7	[0.2, 0.4]	B1	oe
8	$2x + 8$	B1	
	$5x - \text{their } 2x = \text{their } 8 - 1$	M1	
	$\frac{7}{3}$	A1	

Q	Answer	Mark	Comments
9(b)	$\frac{20}{75}$ or 1.25 seen	M1	oe
	16	A1	
10(a)	Correct values in table: 2, 4, 16 and 32.	B1	
	Points plotted correctly	B1ft	ft their values in table
	Smooth curve through all points	B1ft	ft their values in table
10(b)	Gets close to zero or gets close to x-axis	B1	oe Do not accept equals 0.