Linear graphs

Answers

KS3 Maths topic practice

This topic online

Q	Answer	Marks
1	**a)** 3 **b)** (0, -2)	2
2	**a)** -4, 2, 5 **b)** straight line from (-1, -4) to (3, 8)	4
3	3	2
4	**a)** 4/3 **b)** 5 units	4
5	**a)** (2, 2) **b)** (5, 10)	4
6	**a)** Line P, because its gradient 4 is greater than 2 **b)** Line Q, because it crosses at (0, 5) and P crosses at (0, -3) **c)** (4, 13)	4
7	a) line through (0, -4) and (2, 0), sloping up b) line through (0, 6) and (3, 0), sloping down	4
8	$y = -2x + 7$	3
9	**a)** 5 **b)** $y = 5x + 1$	4
10	$y = -\frac{x}{2} + 3$	3
EXTENSION QUESTIONS		
11	**a)** $y = -1.5x + 6$, gradient -1.5 **b)** $y = 2x + 5$, gradient 2	4
12	straight line from (0, 4) to (6, 0)	3
13	$y = -\frac{3x}{4} + 7$	4

Full worked solutions, written out by hand, are on the solutions sheet for this topic.

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