



Q	Answer	Marks
1	a) $x = 3$ b) $y = -2$ c) $y = x$ d) $y = -x$	4
2	a) 3 b) (0, -2)	2
3	Straight line through (-2, -7), (0, -3) and (3, 3)	3
4	3	2
5	a) 1 b) 3 c) $y = 3x + 1$	3
6	a) $c = -2$ b) (0, -2)	3
7	$y = -2x + 7$	3
8	$y = 3x + 4$	3
9	a) 40: there is a fixed charge of £40 before any hours are added b) 10: the cost goes up by £10 for each extra hour c) £80	4
10	a) 0, -4, 0 b) smooth curve through (-4, 5), (-3, 0), (-2, -3), (-1, -4), (0, -3), (1, 0), (2, 5)	4
11	a) line from (10:00, 0) to (11:00, 12), horizontal to (11:30, 12), line to (13:00, 0) b) 8 km/h	4
12	a) -2 b) $y = -2x + 5$ c) Yes, because $-2 \times 6 + 5 = -7$	4

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