Answers and mark guide

Q	Answer	Working	Marks
1	**y = 4x + 4**	y = mx + c	2
2	**y = −x + 4**	y = mx + c	2
3	**y = 3x + 4**	c = y-intercept	2
4	**y = 2x**	c = 0	2
5	**y = 1**	Horizontal lines have equation y = a number.	2
6	**y = −x + 3**	y − 2 = −1(x − 1); c = 3	4
7	**y = −2x + 6**	y − (−2) = −2(x − 4); c = 6	4
8	**y = 4x + 8**	y − 4 = 4(x − (−1)); c = 8	4
9	**y = 2x + 7**	y − 3 = 2(x − (−2)); c = 7	4
10	**y = 4x − 7**	y − 5 = 4(x − 3); c = −7	4
11	**y = −x + 1**	Gradient = −1; substitute a point to find c.	4
12	**y = −x + 5**	Gradient first, then c.	4
13	**y = x − 3**	Gradient = 1; substitute a point to find c.	4
14	**y = 4x + 7**	Gradient first, then c.	4
15	**y = 4x − 3**	Gradient = 4; substitute a point to find c.	4
16	**y = −x**	Same gradient.	5
17	**y = −(1/4)x + 11/4**	Use the negative reciprocal as the gradient.	5
18	**(0, 1)**	Set x = 0.	4
19	**y = −2x + 4**	Gradient −2, c = 4	4
20	**y = 3**	Horizontal line	3

My score: _____ / 71 Questions 1–15 = 50 marks (Foundation focus)