Answers and mark guide

Q	Answer	Working	Marks
1	**3/2**	(10 − 4) ÷ (8 − 4)	2
2	**4**	(14 − 6) ÷ (0 − (−2))	2
3	**1**	(3 − 1) ÷ (−1 − (−3))	2
4	**2**	(4 − (−2)) ÷ (6 − 3)	2
5	**3**	(4 − (−2)) ÷ (6 − 4)	2
6	**2**	The coefficient of x.	1
7	**2**	Divide by 2: y = 2x + 3	3
8	**−3**	y = −3x + 7	3
9	**3/2**	rise ÷ run	2
10	**3**	2y = 6x + 8	4
11	**1**	k = 3 + −2 × 1	4
12	**14**	k = 2 + 3 × 4	3
13	**−1**	(−1 − 5) ÷ (4 − −2)	3
14	**Yes**	Gradients between consecutive points are both 2.	4
15	**3/40**	15 ÷ 200	3
16	**2; −1/2**	Perpendicular gradient = −1 ÷ gradient	5
17	**4**	6 ÷ (k − 1) = 2	4
18	**16**	(10 − k) ÷ 3 = −2	5
19	**Both have gradient 3/2**	9/6 = 3/2	4
20	**16 units**	12 ÷ 3/4	4

My score: _____ / 62 Questions 1–15 = 40 marks (Foundation focus)