Answers and mark guide

Q	Answer	Working	Marks
1	**A′(7, −3), B′(10, −3), C′(7, −1)**	Add the vector to each point.	3
2	**A′(7, 2), B′(9, 2), C′(7, 5)**	Add the vector to each point.	3
3	**A′(7, −1), B′(9, −1), C′(7, 2)**	Add the vector to each point.	3
4	**A′(6, 1), B′(9, 1), C′(6, 4)**	Add the vector to each point.	3
5	**A′(6, −1), B′(8, −1), C′(6, 1)**	Add the vector to each point.	3
6	**A′(−2, 1), B′(−4, 1), C′(−2, 3)**	Reflection in the x-axis changes the sign of y; in the y-axis changes the sign of x.	3
7	**A′(1, −4), B′(4, −4), C′(1, −7)**	Reflection in the x-axis changes the sign of y; in the y-axis changes the sign of x.	3
8	**A′(−4, 1), B′(−6, 1), C′(−4, 4)**	Reflection in the x-axis changes the sign of y; in the y-axis changes the sign of x.	3
9	**A′(2, −3), B′(4, −3), C′(2, −6)**	Reflection in the x-axis changes the sign of y; in the y-axis changes the sign of x.	3
10	**A′(−2, 4), B′(−5, 4), C′(−2, 6)**	Reflection in the x-axis changes the sign of y; in the y-axis changes the sign of x.	3
11	**A′(−4, −2), B′(−7, −2), C′(−4, −4)**	Apply the rule to each vertex.	4
12	**A′(4, −1), B′(4, −3), C′(7, −1)**	Apply the rule to each vertex.	4
13	**A′(−1, 1), B′(−1, 3), C′(−3, 1)**	Apply the rule to each vertex.	4
14	**A′(2, 2), B′(2, 5), C′(4, 2)**	Apply the rule to each vertex.	4
15	**A′(8, 2), B′(14, 2), C′(8, 6)**	Apply the rule to each vertex.	4
16	**A′(10, 1), B′(8, 1), C′(10, 3)**	Each point moves to the same distance on the other side of x = 6: $x \to 12 - x$.	4
17	**4 : 1**	Area scale factor = $2^2 = 4$	4
18	**A′(3, −1), B′(6, −1), C′(3, −4)**	Reflect first, then add (0, 2).	5
19	**A′(−3, −4), B′(−3, −6), C′(−5, −4)**	$(x, y) \to (y, -x) \to (-y, -x)$	5

Q	Answer	Working	Marks
20	**Translation by the vector (3, 0)**	Each point moves 3 right.	3

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