[Q1]
(-0.5 marks) - missing axis, or points labelling
(-1 marks) - for each incorrect axis in 3D
*Note: to get perfect on the final, you will need to give the graph a 3D "feel", ie. drawing a circle for 1b) will not be sufficient

[Q2]
3 marks - calculating the 3 level curves
2 marks - diagram of the level curves on the xy plane
(-0.5 marks) - missing axis, or points labelling
(-0.5 marks) - arithmetic error

[Q3]
(-0.5 marks) - each incorrect part, includes negative signs, wrong variable… everything

[Q4]
2 marks * 2 - calculating partial derivative with respect to x, y
1 marks * 2 - setting G_x, G_y = 0 such that it becomes a horizontal plane
1 mark - $G(-4,1)$ = …..
(-0.5 marks) - arithmetic error

[Q5a]
2 marks * 2 - partial derivative of q_a/P_b, q_b/P_a
2 marks - why A, B are complementary, must write they are both negative

[Q5b]
2 marks - decreasing
Note: on final exam, pls give a very brief explanation