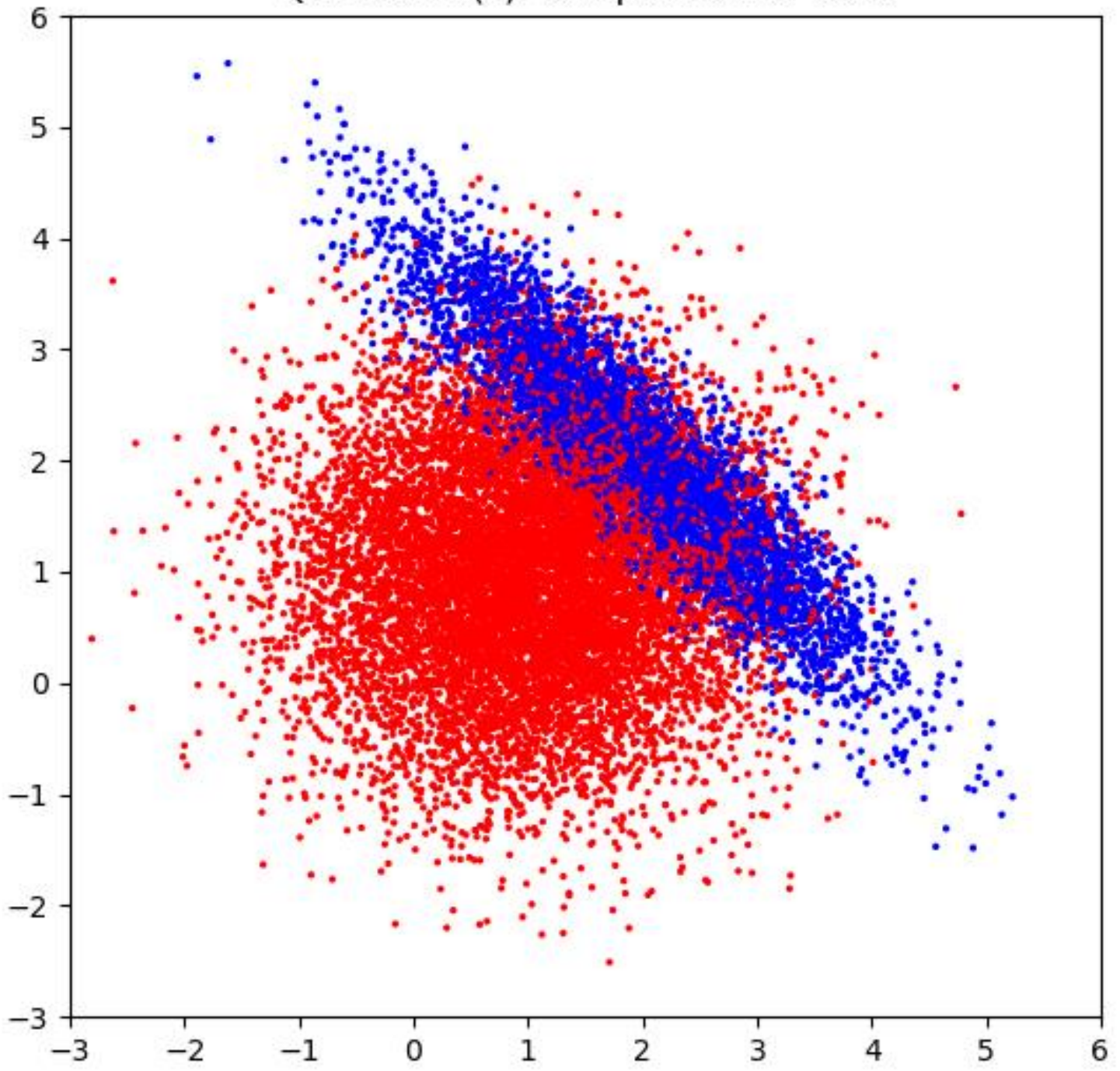
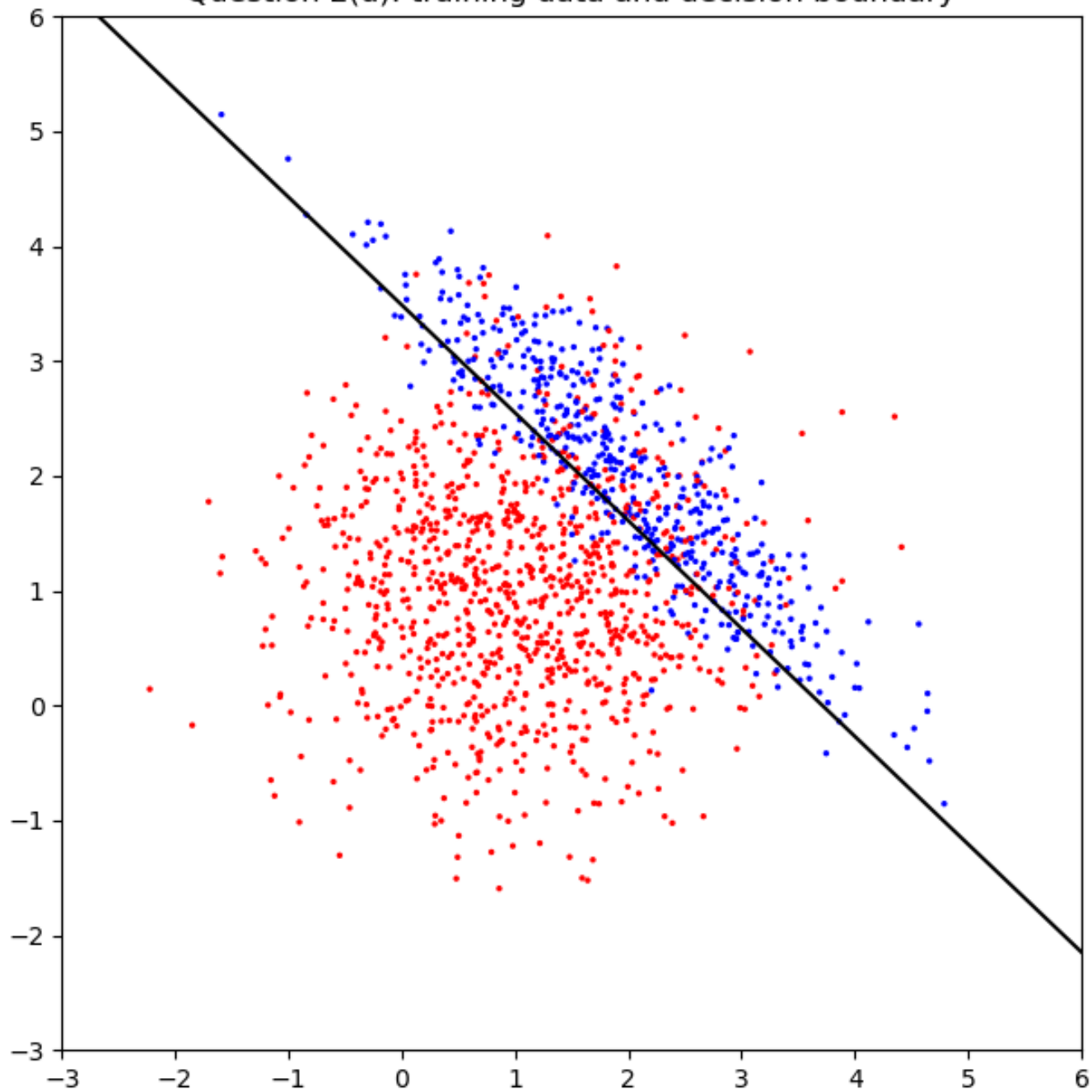


FIGURES

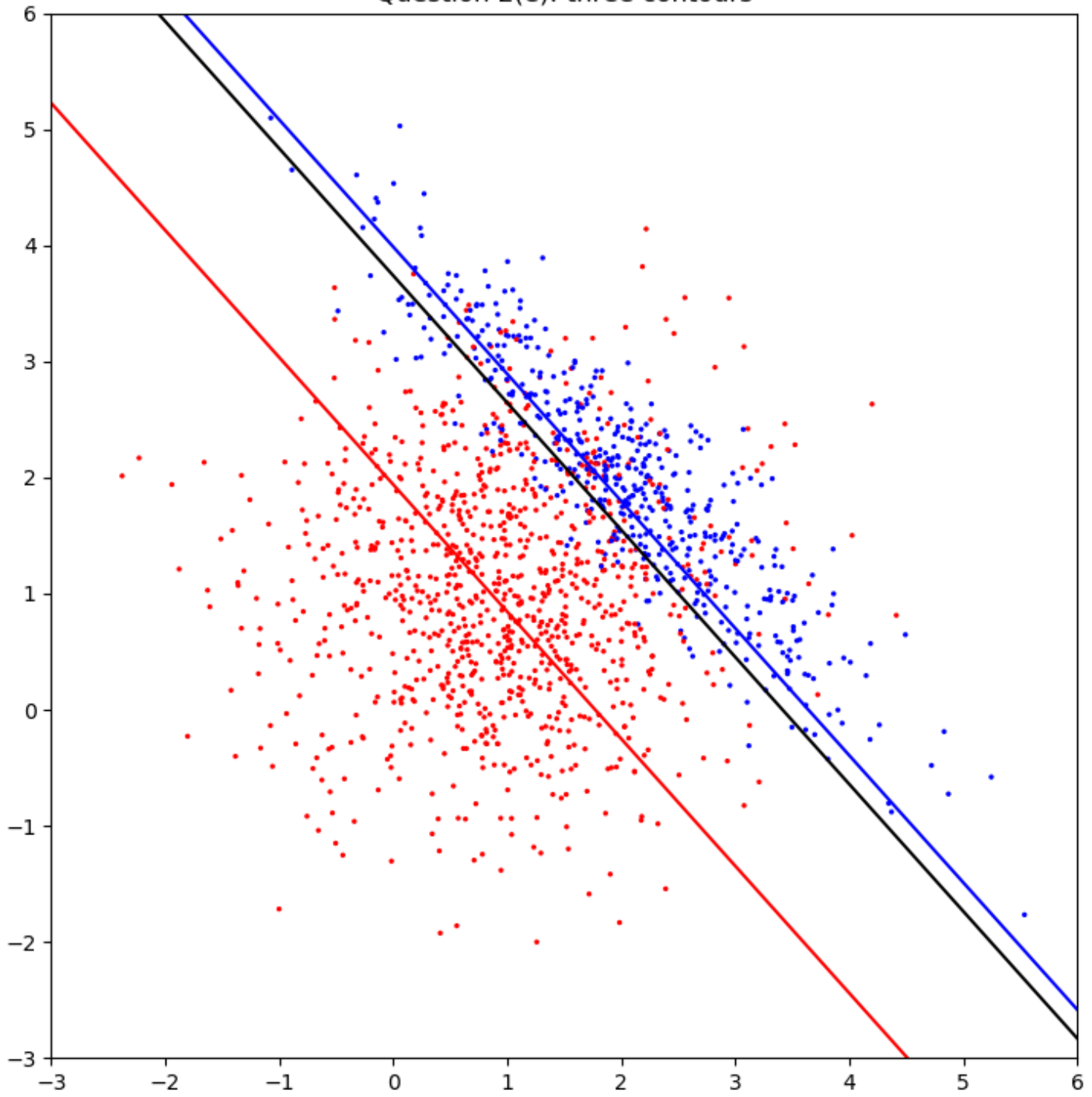
Question 1(c): sample cluster data



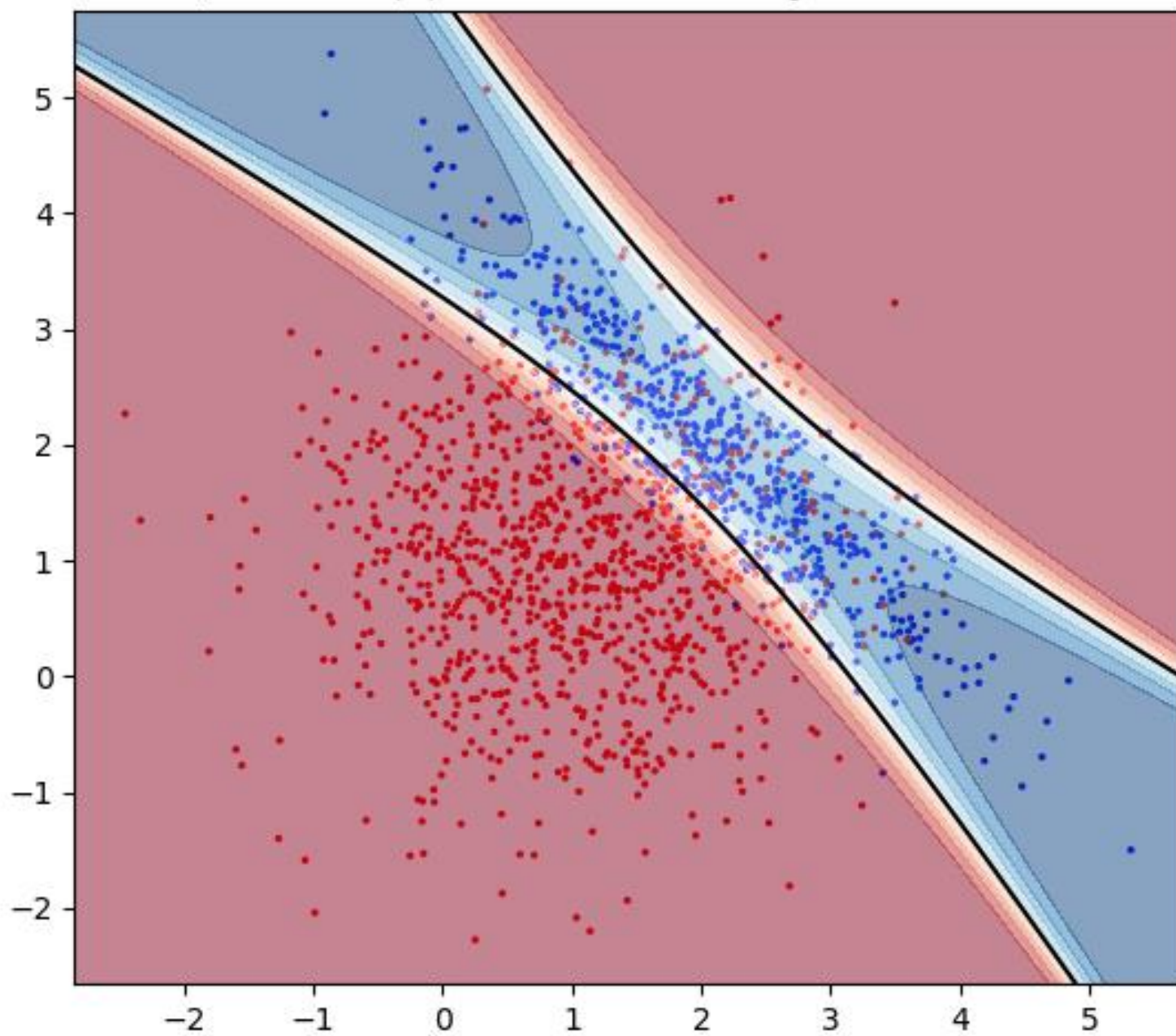
Question 2(d): training data and decision boundary



Question 2(e): three contours

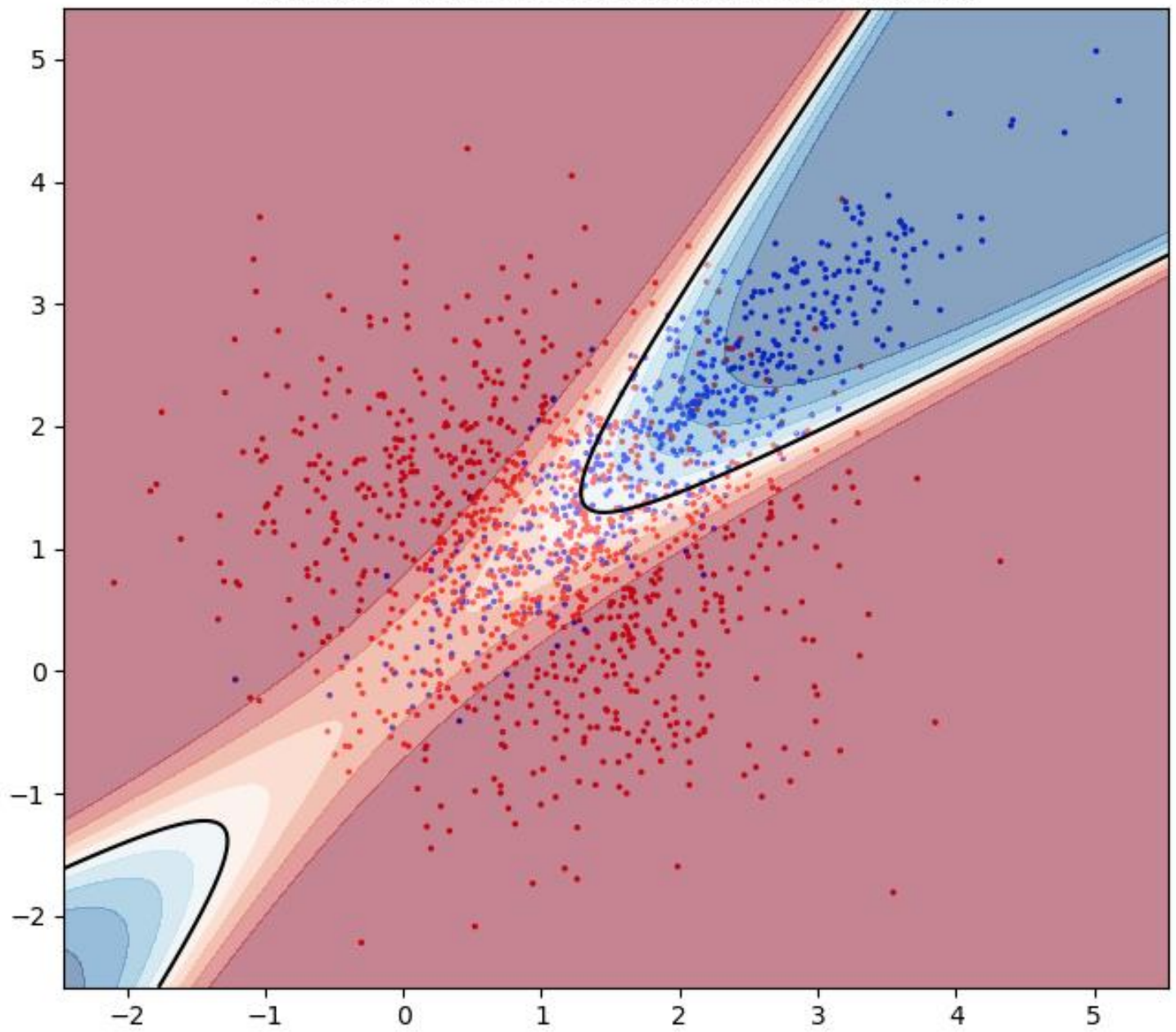


Question 4(a): Decision boundary and contours

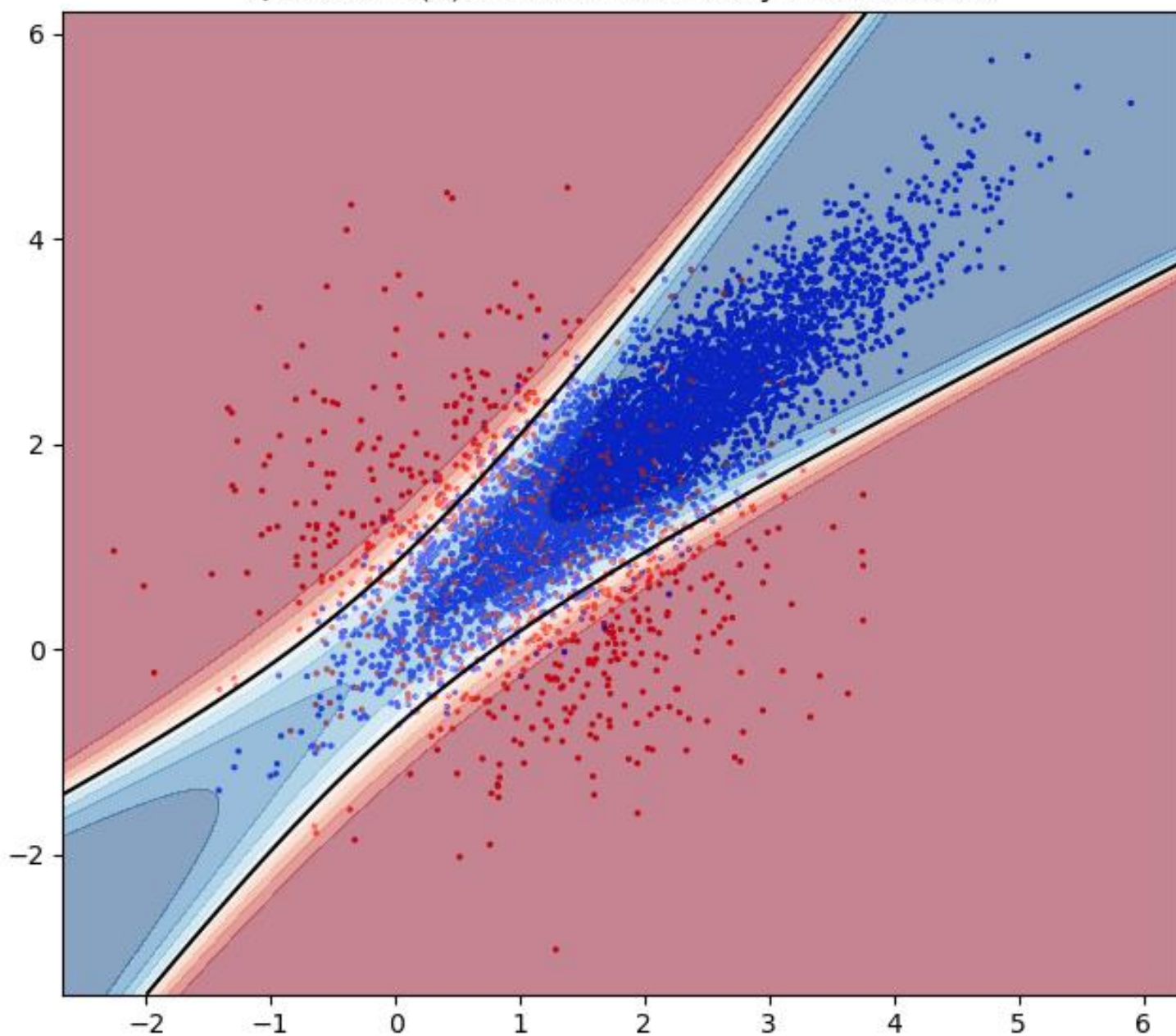




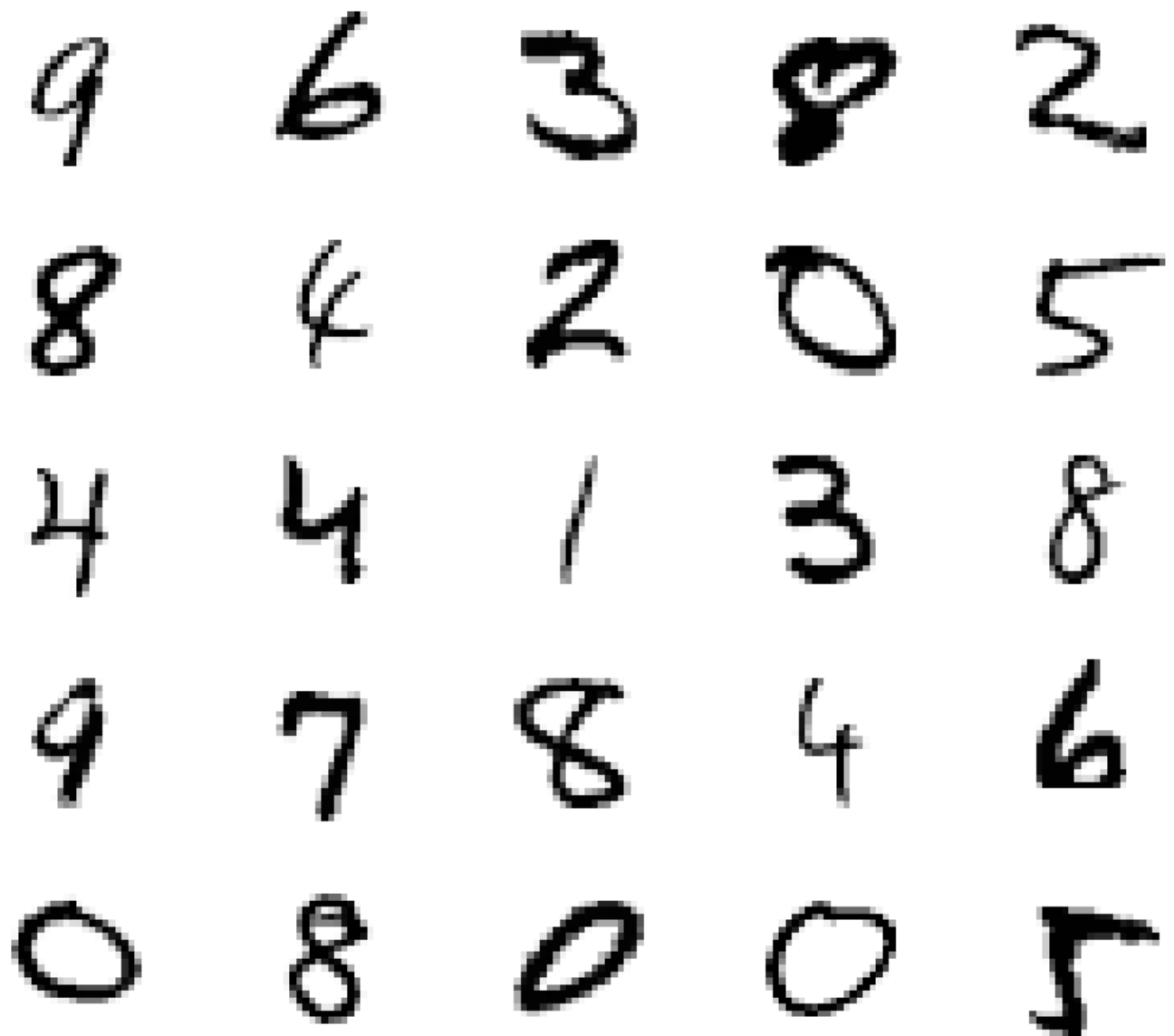
Question 4(c): Decision boundary and contours



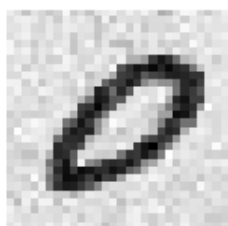
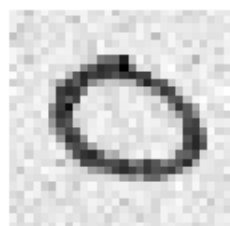
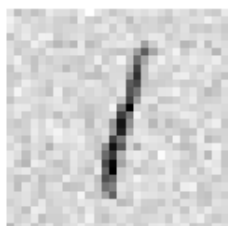
Question 4(d): Decision boundary and contours



Question 5(a): 25 random MNIST images.



Question 5(d): 25 random MNIST images after adding Gaussian noise.





Question 5(g): means for each digit class.

