CS 422/622 Quiz 4 Name _____

1. Run K-Means on the data below. Assume $K = 2$ and $\mu_1 = (1, -1)$ and $\mu_2 = (2, 3)$. What are the final cluster centers? (7 points)

Sample	x_1	x_2
s_1	-1	1
s_2	0	1
s_3	0	2
s_4	1	-1
s_5	1	0
s_6	1	2
s_7	2	2
s_8	2	3

2. Name two similarities and one difference between K-NN and K-Means. (3 points)