ML Problem Solving

K-Means Clustering

1. Consider the following dataset, where each row is an observation. The first columns are input features.

$$D = [[3, 3], [1, 1], [-1, 0], [2, 2], [-2, 2]]$$

Draw the data points in a coordinate system to represent your input space.

- 2. Apply the K-means algorithm for the provided K number of clusters and using the following initializations:
- k=2, initial centroids: [3,3],[0,0]
- k=2, initial centroids: [2,2],[-2,-2]

