1 point	1.	Considering the k-means algorithm, after the current iteration we have three centroids (0, 1), (2, 1), and (-1, 2). Will points (2, 3) and (-0.5, 0) be assigned to the same cluster in the next iteration?  Yes  No
point 2 Qu	2. ıiz	Considering the k-means algorithm, if points (0, 3), (2, 1), and (-2, 2) are the only points that are assigned to the first cluster now, what is the new centroid for this cluster?  (0, 3)
iz, 5 questions		(0+2-2/3, 3+1+2/3) = (0,2) (-2, 1)
		(0, 2)
		(0, 0)
1 point	3.	The k-means++ algorithm is designed for better initialization for k-means, which will take the farthest point from the currently selected centroids. Suppose $k = 2$ , and we have selected the first centroid as $(0, 0)$ . Among the following points (these are all the remaining points), which one should we take for the second centroid?
		(4, 0)
		(2, 0)
		(-2, 1)
		(0, 3)
1 point	4.	Considering the k-median algorithm, if points (0, 3), (2, 1), and (-2, 2) are the only points that are assigned to the first cluster now, what is the new centroid for this cluster?
		(0, 2) (0+2-2/3, 3+1+2/3) = (0,2)
		(0, 0)
		(-2, 1)

1 point	5. Which	h of the following statements about the k-means algorithm are correct? Select apply.
		For different initializations, the k-means algorithm will definitely give the same clustering results.
		The centroids in the k-means algorithm may not be any observed data points.
		The k-means algorithm can generate non-convex clusters.
		The k-means algorithm is sensitive to outliers.
		stand that submitting work that isn't my own may result in permanent failure on of my Coursera account.
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