Exercises for Chapter 9, Part 1

9.1 Consider the data set $X = \{-6, -5, 0, 4, 7\}$.

a) Draw the single linkage dendrogram.

b) Draw the complete linkage dendrogram.

c) Compute the sequence of cluster centers that c-means produces with initialization $V = \{5, 6\}$.

d) Find an initialization for which c-means yields a different result for X.