**Project 4 Part 4 (k-means and kd-trees)**

Name: \_\_\_\_Joshua Hsueh\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_3\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_2/14/2021\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Is your lab name l044?(lowercase L followed by digits 044) \_\_\_\_\_Yes\_\_\_\_\_\_

Did you created a class to store a point? \_\_\_\_\_Yes\_\_\_\_\_\_

Did you created a class to store a TreeNode? \_\_\_Yes\_\_\_\_\_\_\_\_

Are your fields in the TreeNode and Point private? \_\_\_\_\_Yes\_\_\_\_\_\_

Does your main contain only a call of method part4()? \_\_\_\_Yes\_\_\_\_\_\_\_

Do you give the user the option to create/not create points.txt? \_\_\_Yes\_\_\_\_\_\_\_\_

Did you test your code on a school terminal using c++11? \_\_\_Yes\_\_\_\_\_\_\_\_

Does your main method call only part4()? (NOT part1 or 2 or 3) \_\_\_\_Yes\_\_\_\_\_\_\_

Paste here 2 clear picture of the clusters.ppm your code created when you run your code by generating a random set of 50 points, then by just reading from the points.txt:

Note: The clusters.ppm look a bit different for each run on the same points because the initial means are random and not set



