Due Friday 4/27/18, 11:55PM on Moodle, as one file: graph.java.

You are a programmer for Bus-ber, a company like Uber, but drives buses rather than personal automobiles. A bus can pick up or drop off several individuals. There are 30 people on the current bus, each with different geo-locations. You must drop them off on an efficient "route". Build the minimum spanning tree which reaches all destinations of the people on the bus. (Note that the MST does not necessarily constitute a real route because backtracking can occur if a vertex leads to two other vertices.)

Although this Homework will be graded on correctness, try to find the MST efficiently. Doing so will help you with the project.

This assignment is individual (each person needs to submit a solution on Moodle), but you may discuss ideas with each other. If you talk with others about this assignment, please write a comment at the top of your submitted file, stating the other students' names with whom you've discussed. e.g. I discussed parts of the mst() method with Lijia Li (TA), and Jack Neary (TA).