Name:	
Section:	Wed./Thurs.

Lab Exercise for Week 4

Based on your experience with lab 4, we will now explore an additional zoom method, which allows the user to display a map at a particular extent. The assignment will be to write an additional mutator method for Map. java to perform this function.

- 1) To get an idea of a zooming function which displays a map at a particular extent, analyze the zoomin() method and answer the following questions:
 - a. What is an Envelope and what can be performed with the size and location of an Envelope?
 - b. How is an Envelope used to adjust the extent of the map display?
- 2) Write a method for the Java Bean Map. java.
 - a. The method declaration line will look like this: public void zoomToExtent(double xMin, double yMin, double xMax, double yMax) throws Exception {}
 - b. The four coordinates used in this method's parameter are the lower left and upper right corners of the extent in real world coordinates.
- 3) Optionally, you may modify the .jsp file to provide a user interface for this new method and deploy the web module to test on PGISTDEV.