List of work that should be completed tonight

1. Implementation of N dimensional ability for all algorithms.
   1. PointGenerator Class – allow multi-dimension points
   2. Geometry Class – all distance function to compute distance for n dimensions
   3. DataPoint Class – allow multi-dimension points
   4. Modify algorithms for n dimensions
2. PointGenerator Class
   1. Allow for points to be created within a radius ‘d’ of ‘n’ points (clusters of data points
3. Execute Tests
   1. Tests with sparse data sets
   2. Clustered data
   3. N dimensions for every type of testing.
   4. Write to a file data for gnuplot
      1. Different number of centroids
      2. Different number of data types (sparse, random, clusters)