Topic 6 problems

1. Take 25 samples from 100*rand. Use **fminsearch** to find the number (which is not necessarily one of the samples) that has the minimum sum of squared distances to the 25 samples. Calculate the mean of the 25 samples. What do you notice?

2. The Keeling curve shows the atmospheric concentration of carbon dioxide from 1958 to the present. This data is included in the accompanying file keeling.txt. Fit a curve to a plot of the interpolated concentration (column 7) versus the decimal year (column 4). Feel free to speak to me for ideas on how to start.