Homework 1
Due Wednesday, September 2

WMMY: Ch 1 # 1, 5, 11 (do by hand), 13, 18abc, 19*, 22*, 25, 27
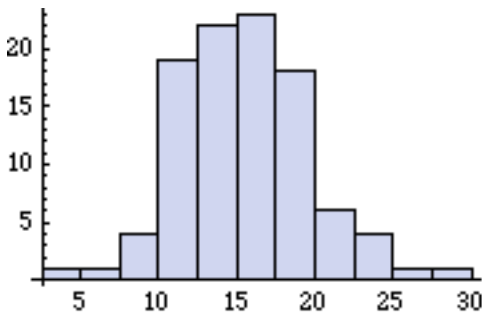   Ch 2 # 5, 9, 15, 51, 53, 67, 73

> * For #19, do parts a and c only, then describe the shape of the distribution and discuss what that says about the failure of pumps.
> * For #22, draw the location of mean and the spread of ±1 SD on your histogram
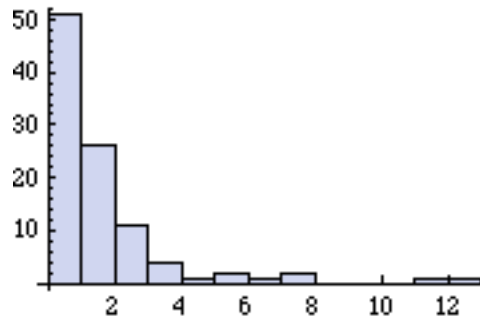
Problem A:
    i. Give a set of five numbers from 0-10 with larger mean than median.

    i. Give a set of five numbers from 0-10 with smaller mean than median.

    i. Give a set of five numbers from 0-10 with mean and median equal.

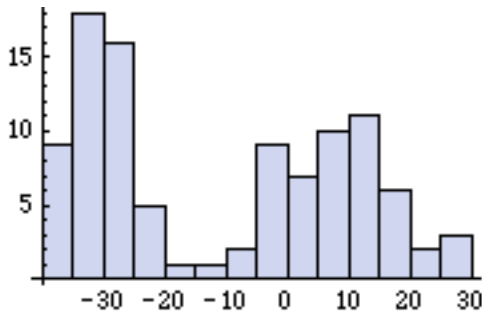   i. Give a set of six numbers from 0-10 with the largest possible variance.

Problem B: Histograms of four data sets are shown below. For each, describe the general shape of the distribution, then estimate the median, the mean, and the standard deviation.
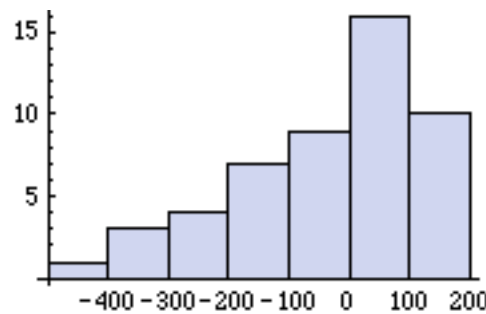

I

II

III

IV