1. For a normally distributed data set with μ = 100 and σ = 5, what percent of the data falls between 95 and 105?

2. For a normally distributed data set with μ = 84 and σ = 8, what percent of the data is greater than 92?

3. For a normally distributed data set with μ = 50 and σ = 10, what percent of the data falls between 30 and 60?

4. For a normally distributed data set with μ = 77 and σ = 5, what percent of the data is less than 62?

5. Given the following normally distributed data set:

98, 99, 99, 95, 98, 94, 102, 101, 93, 114, 117, 94, 96, 112, 103

Find:

- a. The mean_____ b. median _____
- c. mode ______ d. lowest value _____

e. highest value _____ f. range _____

g. Lower Quartile ______ h. Upper Quartile ______

i. standard deviation

the percent of data that is

a. 1 standard deviation away from the mean: _____

b. 2 standard deviations away from the mean: _____

c. 3 standard deviations away from the mean: _____

x	$x - \mu$	$(x - \mu)^2$