PRE-CALC & TRIG

Day 69

Bell Work

Give the list of data:

94, 90, 88, 100, 99, 92, 88, 92, 97

$\bar{x} = 93.33 \quad and \quad \sigma = 4.24$

Create a Normal Distribution Curve.

From Last Time

page 743 #2-5, 7-17, 23-28

11.8 Samples and Surveys

Objective: To identify sampling methods

To recognize bias in samples and surveys

Population: all the members of a set

Sample: a part of the population

Convenience Sample: select a member of the population who is readily available

Self-Selected Sample: select only members of the population who volunteer for the sample

Systematic Sample: order the population in some way and then select from it

Random Sample: all members of the population are equally likely to be chosen

Bias: a systematic error introduced by the sampling method

For Next Time

page 728 #1-8

Quiz: 53, 55, 42, 38, 47, 50, 47, 40

Level 2:

Mean: _____ Median: _____ Mode: _____ Range: _____

Make Box-and-Whisker Plot

Level 3:

Variance: _____ Standard Deviation: _____

Within how many standard deviations of the mean is the data?

Create and label a Normal Distribution Curve

Level 4:

Is there an outlier? Use the above answers to defend your opinion.