

Name KEY

Date \_\_\_\_\_

## Unit 3 Measures of Central Tendency: Mean, Median, and Mode

Homework Day 1

Show your work!

1. A list of five test scores were 60, 67, 73, 63 and 67. Find the following:

a) Mean 66b) Median 67c) Mode 67

stat → edit →  
enter in data values  
stat → calc → 1 var stats

2. Seven people were asked how many miles they lived from work. The responses were 15, 7, 14, 21, 5, 9 and 13. Find the following:

a) Mean 12b) Median 13c) Mode none3. At a pet store, a survey was taken asking how many pets each person had. The results were: 2, 5, 3, 1, 0, 4, 2, 7, 0, 2, 7, 3. Find the following:a) Mean 3b) Median 2.5c) Mode 2

Name \_\_\_\_\_

Date \_\_\_\_\_

4. A sample of eight students were randomly selected and asked, "How many times did you check your email yesterday?" The numbers were 3, 0, 8, 7, 10, 2, 6, 12.

Find the following:

a) Mean  $6$

b) Median  $6.5$

c) Mode  $none$

5. A student had taken six tests and received scores of 88, 73, 81, 83, 79, 94. The seventh test was coming up and the student wants to know:

a) What was needed on the seventh test to have a mean score of 83. Find the seventh test score.

$$7. \frac{88 + 73 + 81 + 83 + 79 + 94 + x}{7} = 83 \cdot 7 \rightarrow 498 + x = 581$$

$$\boxed{x = 83}$$

b) What the median and mode would be using the seventh test score from part a.

Median:  $83$

Mode:  $83$