

## Lab 2: Preliminary Concepts Key

- 1) a. Descriptive: serves to organize, summarize, and describe data.  
Inferential: makes generalizations about a population based on the data from a sample.
- b. Parameters: description of a characteristic of a population  
Statistics: description of a characteristic of a sample
- c. Continuous: can occur in any conceivable amount.  
Discontinuous: Can only occur in integer amounts.
- 2) a. interval  
b. interval  
c. ratio  
d. nominal  
e. ratio  
f. interval  
g. ratio  
h. ordinal  
i. ratio  
j. ordinal
- 3) a. 27.6  
b. 69.3  
c. 98.8  
d. 14.4  
e. 84.9  
f. 26.0  
g. 55.1
- 4) a. 26.5-27.5  
b. 67.99995-68.00005  
c. 34.15-34.25  
d. 88.735-88.745  
e. 78.0005-78.0015
- 5)  $\sum_{i=2}^6 X_i = 8 + 12 + 13 + 16 + 20 = 69$