Formulas: Variance = 
$$\frac{\sum_{i=1}^{n} (x_i - \overline{x})^2}{n-1}$$
; Standard deviation = 
$$\sqrt{\frac{\sum_{i=1}^{n} (x_i - \overline{x})^2}{n-1}}$$

- a) Consider the following set of data: 12, 21, 14, 18, 10 Compute the following:
- a. The mean of the data.
- b. The standard deviation of the data.

b) After downloading several years of stock data for Disney, it is found that the weekly ratios have the following properties.

Max = 1.223; Min = 0.7765; Mean = 1.0034; Standard Deviation = 0.223

Compute the annualized volatility for this stock.

