1. Give one example of each of the following:

A)    Trend Component. Explain why it is a trend component.

B)    Seasonal Component. Explain why it is a seasonal component

C)    Cyclical component. Explain why it is a cyclical component

D)    Irregular (random) component.  Explain why it is an irregular component

2. Give three real life examples of each of the following:

A)    linear trend. Explain why it is a linear trend.

B)    Non-linear trend. Explain why it is a non-linear trend

3. Mr. Samuelson is a car sales associate. He makes a salary of $600 per week. He also earns a bonus of $200 for each car he sells. Write a simple linear regression equation that represents the total amount of money (y) Mr. Samuelson earns in a week when he sells ¿x¿ number of cars.