

KING FAHD UNIVERSITY OF PETROLUUM AND MINERALS

College of Sciences

Stat 211- Term 042

Quez#2

Name: ID#: Sec#: Sr. #:

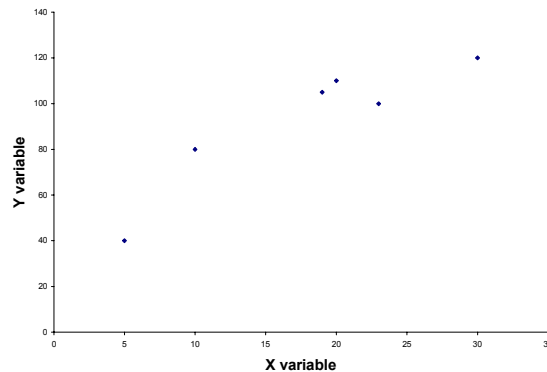
Question One:

Fill in the blank

1. A frequency histogram should be computed from **quantitative** data.
2. A bar chart is most likely used to display a **nominal or ordinal** variables.
3. One of the advantages that a stem & leaf diagram has over a histogram is.
The detail of the data is preserved.
4. If a manager wishes to analyze the sales trend for his department, possibly the most effective type of graph will be **a line chart**.

Question Two:

Answer the questions depend on the following chart:



1. There is **a positive linear** relationship between the two variables.
2. The variable on the **horizontal** axis should be the **independent** variable, and the variable on the **vertical** axis should be the **dependent** variable.

Question Three:

Explain what information can be conveyed by a frequency histogram.

1. The histogram can give an idea of where the center of the data.
2. The histogram can show the spread (variability) in the variable.
3. The histogram can show the shape of the distribution.