Table Number:	
Group Member	ς.

Group Name: _____

Scatter Plots

The scatter plot is the basic tool used to investigate relationships between two numeric or quantitative variables.

What do you see in these scatter plots? Write a description for each which includes **trend**, **shape**, and **strength** and explain what all these mean **in the context of the data**. When describing the trend, use the words "increasing" or "decreasing." Describe the shape as being linear or non-linear. When describing strength, make note of how close together the points are. Use one sentence to interpret the graph in context.



4. Rank these relationships from weakest to strongest:



Write your ranking, from weakest to strongest here, using the letters that represent the graphs:

Explain your reasoning please!



What will happen to the correlation coefficient if the outlier is removed?

(Remember the correlation coefficient answers the question: "For a linear relationship, how well do the data fall on a straight line?")

It will get smaller

It won't change

It will get bigger

6.



What will happen to the correlation coefficient if the Elephant data point is removed?

(Remember the correlation coefficient answers the question: "For a linear relationship, how well do the data fall on a straight line?")

