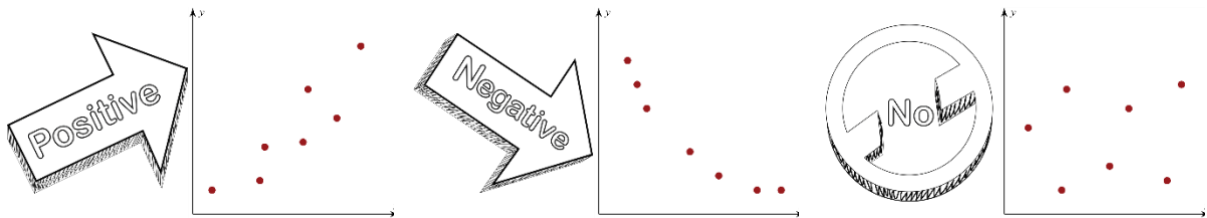


DESCRIBING SCATTER PLOTS: GUIDED NOTES

- **scatter plots:** a graph of data points used to investigate a relationship, or **association**, between 2 quantities

Direction: Is there a positive, negative, or no association?

As x is increasing, what is y doing?



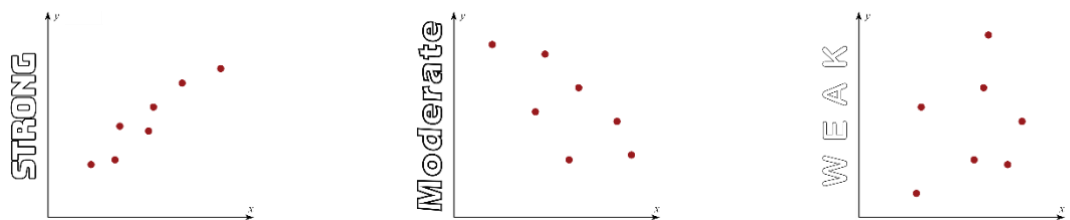
Form: Is the association linear or nonlinear?

Do the points form a pattern (or trend) that has the shape of a line or a curve?



Strength: Is the association strong, moderate, or weak?

How close are the points along the trend?



Outliers: Which point(s) seem to be unusually far away from the rest of the points?

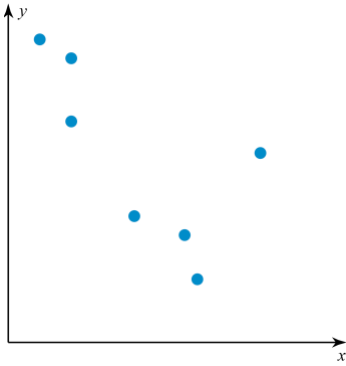
Are there any points that lie outside of the rest of the data?



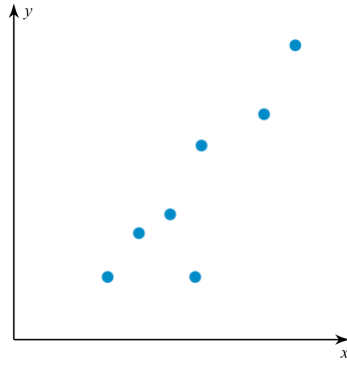
Examples

For each scatter plot below, describe the relationship between x and y . If the scatter plot contains an outlier, circle the point and explain your reasoning.

1)



2)



3)

