Name _____ Date _____ Class_____
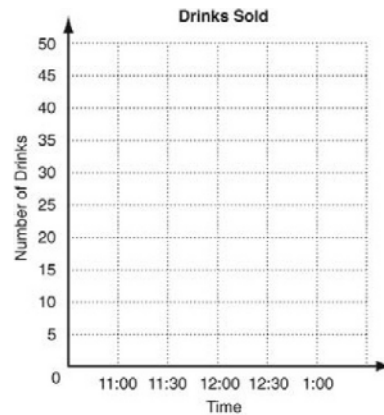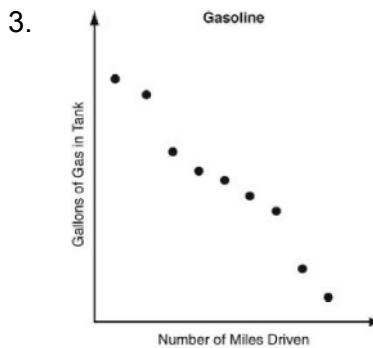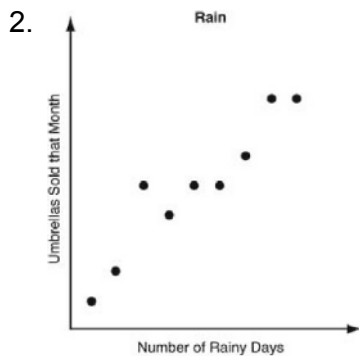
Correlation

Practice and Problem Solving: A/B

1. The table shows the number of soft drinks sold at a small restaurant from 11:00 am to 1:00 pm. Graph a scatter plot using the given data.

Time of Day	11:00	11:30	12:00	12:30	1:00
Number of Drinks	20	29	34	49	44

Drinks Sold

Write *positive*, *negative*, or *none* to describe the correlation illustrated by each scatter plot.

2.

Rain

3.

Gasoline

_____   _____

Identify the correlation you would expect to see between each pair of data sets. Explain.

4. the temperature during the day and the number of people in the pool

_____

_____

5. the height of an algebra student and the number of phone calls they make in one week

_____

_____

Solve.

6. During one season, a researcher collected data on the number of hot chocolate vendors at football stadiums and the outside temperature. Noticing a strong negative correlation, he concluded that hot chocolate vendors cause temperatures to fall. What would you have concluded?

_____

_____