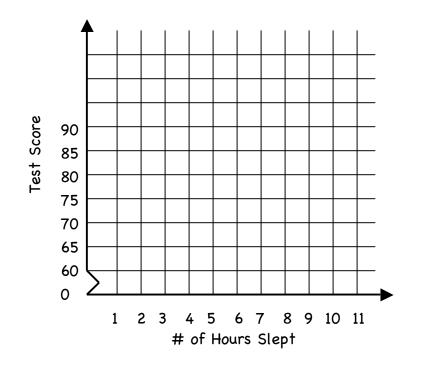
Name _	
Date _	Class

Practice with Scatter Plots

1. A history teacher asked her students how many hours of sleep they had the night before a test. The data below shows the number of hours the student slept and their score on the exam. Plot the data on a scatter plot.

Hours Slept	8	7	7	8	6	5	7	4	9	7
Test Score	83	86	74	88	76	63	90	60	89	81

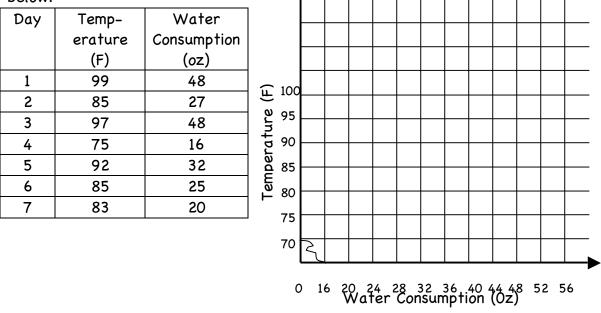


a. Describe the Correlation.

b. Estimate the value of the correlation coefficient, r. Indicate whether r is closest to -1, -0.5, 0, 0.5 or 1.

b. Draw the Line of Best Fit.

2. Assume that during a three-hour period spent outside, a person recorded the temperature and their water consumption. The experiment was conducted on 7 randomly selected days during the summer. The data is shown in the table below.



Create a scatter plot with the data. (Hint: Do not use the day on the scatter plot.)

a. Describe the Correlation.

b. Estimate the value of the correlation coefficient, r. Indicate whether r is closest to -1, -0.5, 0, 0.5 or 1.

c. Draw the Line of Best Fit.