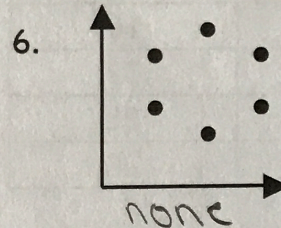
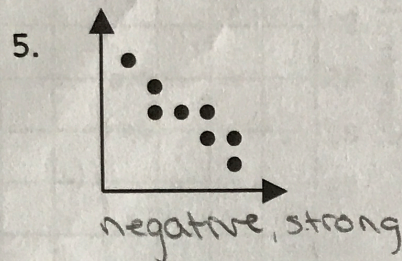
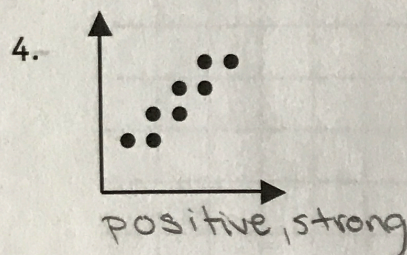
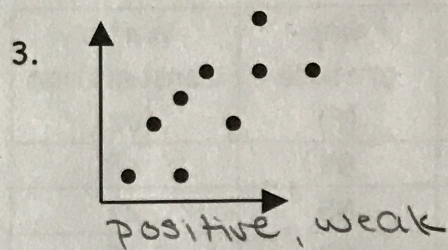
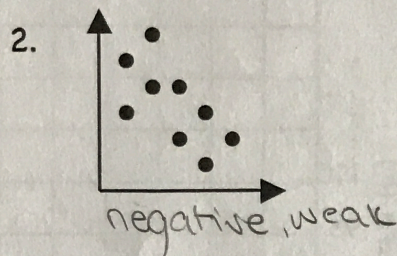
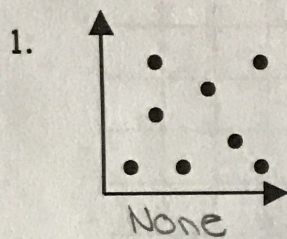


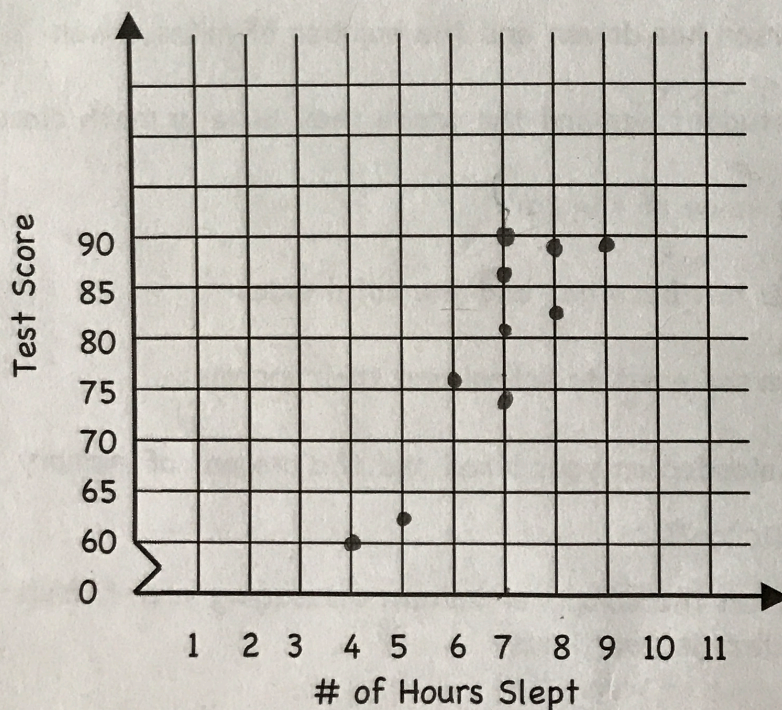
## Practice with Scatter Plots

Classify the scatter plots as having a positive, negative, or no correlation.



7. 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.

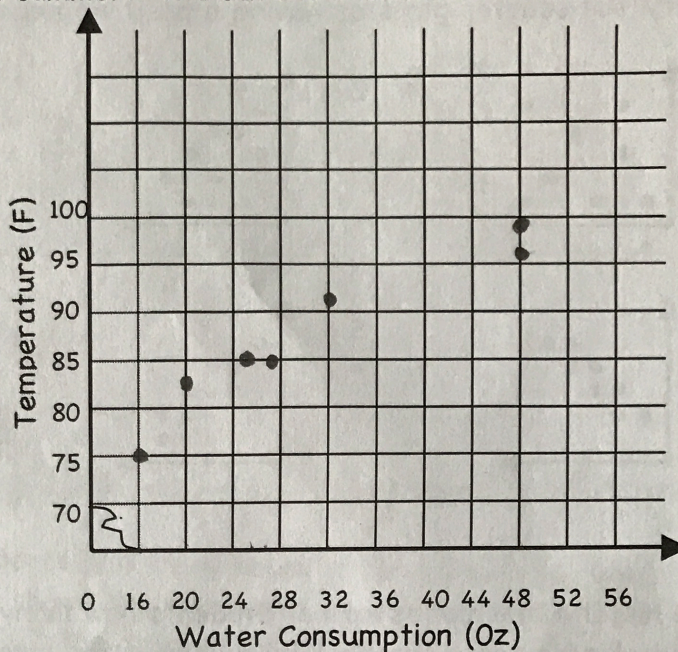
Hours Slept	8	7	7	8	6	5	7	4	9	7
Test Score	83	86	74	88	76	63	90	60	89	81





8. 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.

Day	Temperature (F)	Water Consumption (oz)
1	99	48
2	85	27
3	97	48
4	75	16
5	92	32
6	85	25
7	83	20



Create a scatter plot with the data. What is the correlation of this scatter plot? (Hint: Do not use the day on the scatter plot.)

*Positive*

Identify the data sets as having a positive, a negative, or no correlation.

8. The number of hours a person has driven and the number of miles driven

*positive*

9. The number of siblings a student has and the grade they have in math class

*none*

10. The age of a car and the value of the car

*Negative*

11. The number of weeks a CD has been out and the total sales

*Positive*

12. The number of years a person went to school and their income

*Positive*

13. The number of songs downloaded on your i-pod and the amount of memory available

*Negative*

14. The amount of time spent on the computer instant messaging your friends and the number of computers in your house

*No correlation*

15. The age of a house and the number of people living in the house

*No correlation*