Name _____ Class _____ Date _____

Practice 1-5

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Make a scatter plot for each set of data below.

1. Height and Hourly Pay of Ten People

Height (inches)	Hourly Pay	Height (inches)	Hourly Pay
62	$6.00	72	$8.00
65	$8.50	72	$6.00
68	$6.50	73	$7.50
70	$6.00	74	$6.25
70	$7.50	74	$8.00

2. Speed of Winds in Some U.S. Cities

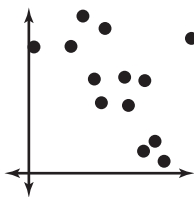| Station	Average Speed (mi/h)	Highest Speed (mi/h)
Atlanta, GA	9.1	60
Casper, WY	12.9	81
Dallas, TX	10.7	73
Mobile, AL	9.0	63
St. Louis, MO	9.7	60

Source: National Climatic Data Center

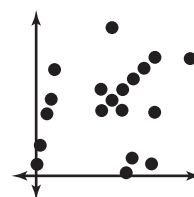**Describe the trend in each scatter plot below.**

3.

4.

5.
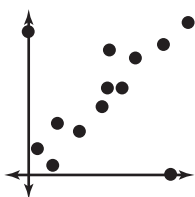
6. In Exercise 1, is there a *positive correlation*, a *negative correlation*, or *no correlation* between height and hourly pay?

7. In Exercise 2, is there a *positive correlation*, a *negative correlation*, or *no correlation* between average wind speed and highest wind speed?

Would you expect a *positive correlation*, a *negative correlation*, or *no correlation* between the two data sets? Explain why.

8. a person's age and the number of pets he or she has

9. the number of times you brush your teeth and the number of cavities you get

10. the number of days it rains per year and the number of umbrellas sold

11. a. In the scatter plot on the right, what does a point represent?
   b. How can you tell if some infants weighed the same?
   c. How can you tell which infants were weighed at the same age?
   d. Is there a correlation between age and weight? Explain.

Age and Weight for 9 Infants

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