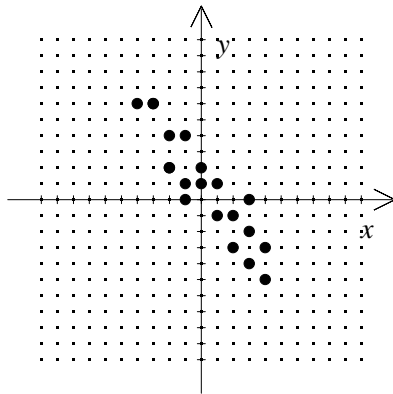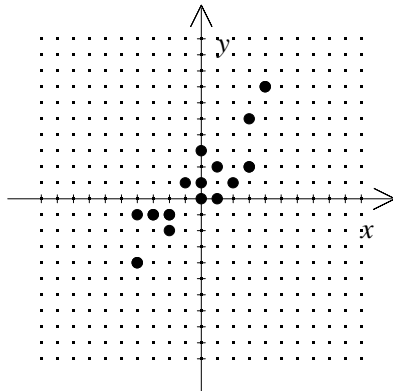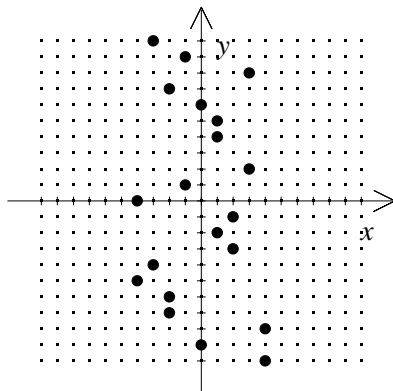NAME:_____

1. What type of relationship, positive, negative, or none, is shown by the scatter plot?
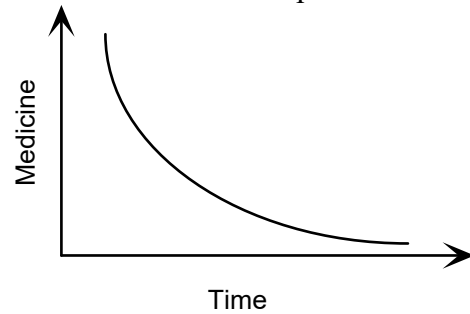

2. What type of relationship, positive, negative, or none, is shown by the scatter plot?

3. What type of relationship, positive, negative, or none, is shown by the scatter plot?

4. This graph shows a scatter plot that relates elapsed time after taking medicine and amount of medicine in patient's blood stream.
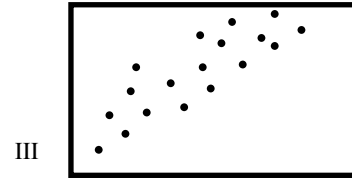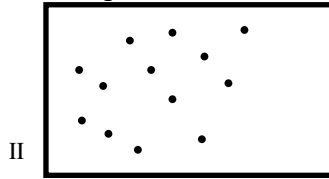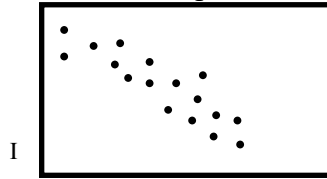

Which statement is true?

[A] The graph shows a negative nonlinear correlation.

[B] The graph shows no correlation.

[C] The graph shows a positive nonlinear correlation.

[D] The graph shows a negative linear correlation.

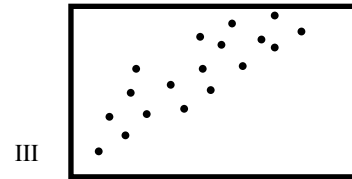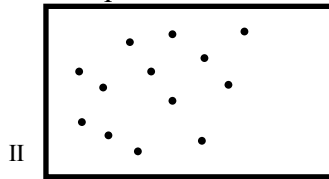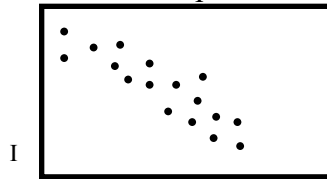[E] The graph shows a positive linear correlation.

NAME:_____

5. Use the scatter plots to answer each question.

I   II   III

   Kenneth created a scatter plot comparing the number of calories he consumed each week with his body weight. Which of the three scatter plots above most likely represents the data?

   [A] I   [B] II   [C] III   [D] none of these

6. Use the scatter plots to answer each question.

I   II   III

   Marcia created a scatter plot comparing the number of people who bought tickets to the school play and the amount of money raised by the event. Which of the three scatter plots above most likely represents the data?

   [A] I   [B] none of these   [C] III   [D] II

7. A line of best fit on a scatter plot

   [A] shows a correlation more clearly.

   [B] makes it easy to determine a positive or negative correlation.

   [C] allows you to predict other related data.

   [D] cannot be drawn for data showing no correlation.   [E] fits all of the descriptions above.

8. Which of the following types of information is *not* suited for display on a scatter plot?

   [A] relationship between age and number of books read in a year

   [B] relationship between height and shoe size

   [C] relationship among the amount of money a school district spends on books, employees' salaries, and equipment

   [D] relationship between the number of calories consumed and body weight

[1] negative

[2] positive

[3] none

[4] A

[5] C

[6] C

[7] E

[8] C