Name ____________________ Date ________

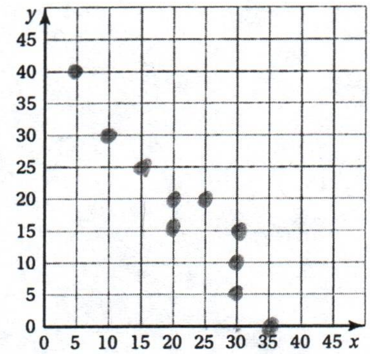
Chapter 5 Review

5.1 – 5.3 Scatter Plot, Line of Fit, Line Graph

1. Make a scatter plot for the data. Plot the points. Don't connect

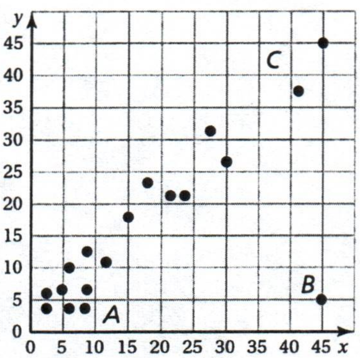
x	30	35	25	5	30
y	15	0	20	40	10

x	10	20	20	15	30
y	30	15	20	25	5

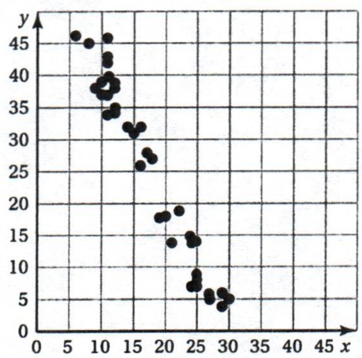


2. Identify each of A, B, and C as an outlier, gap, or cluster.

A-cluster
B-outlier
C-gap



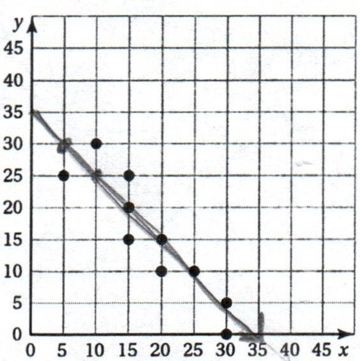
3. Describe the relationship between the data in the scatter plot.



strong negative linear relationship

4. Draw a line of fit for the data. Write the equation of the line of fit.

$y = -x + 35$



5. A school collects the number x of school year absences and final exam scores y for several students. The equation of a line of fit for the data is $y = -4x + 95$. Interpret the slope and y-intercept.

Slope is -4
y int is 95
A student with 0 absences is expected to get a 95 and the score decreases by about 4 each absence

6. The data points on a scatter plot all lie close to a line of fit. Describe the relationship between the data.

Strong