

Name \_\_\_\_\_ Date \_\_\_\_\_



### Skills Maintenance

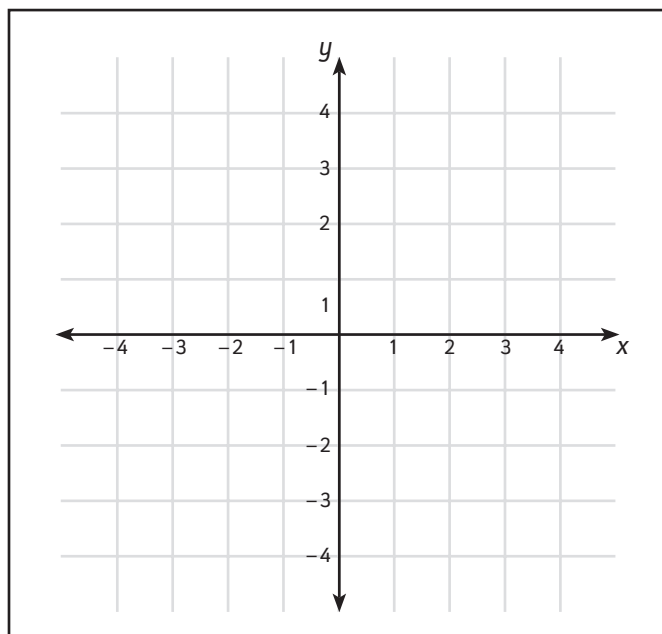
#### Plotting Points

#### Activity 1

Plot the points on the coordinate graph. Use the letters to label the points.

A (0, 1)    B (3, 1)    C (2, -1)    D (-2, -1)

E (-1, 1)    F (0, 0)    G (-1, -2)    H (2, 0)





Name \_\_\_\_\_ Date \_\_\_\_\_

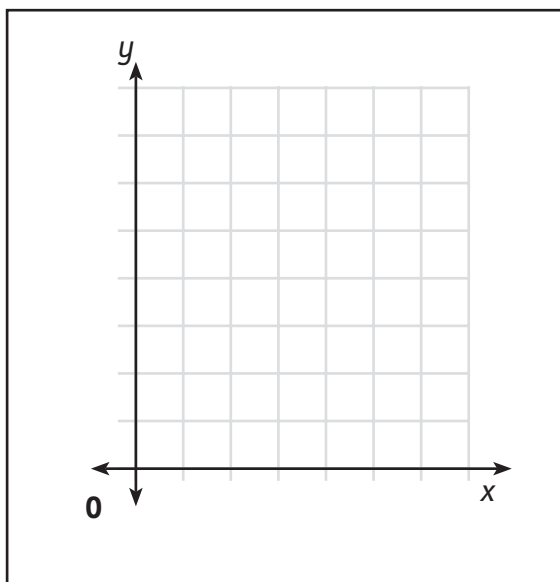
**Apply Skills**  
**Analyzing Functional Relationships in a Set of Data**

**Activity 1**

Create a dot graph of the data. These data were collected from crash tests.

Speed of Car at Time of Crash	How Much the Car Length Changed as a Result of the Crash
20 mph	1 inch
40 mph	2 inches
60 mph	3 inches
80 mph	4 inches
100 mph	5 inches

The two parts of the functional relationship are:



What is the relationship evident in this data?

---



---

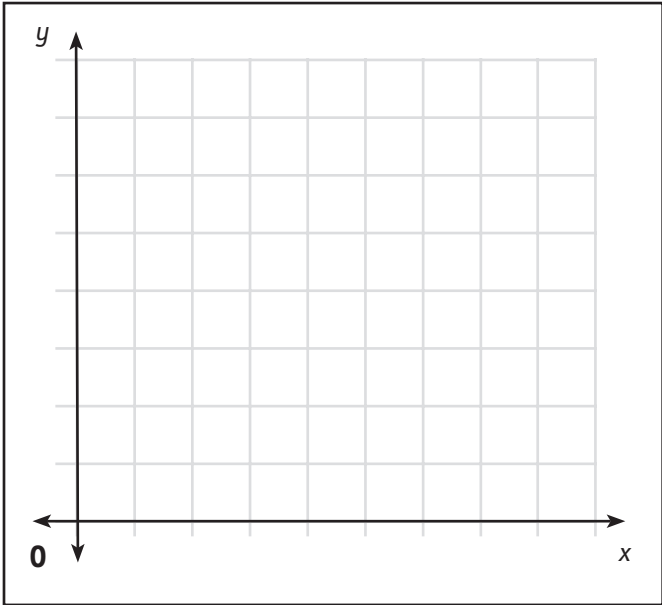


---

Name \_\_\_\_\_ Date \_\_\_\_\_

## Activity 2

Analyze the data you collected in class that shows systematic relationship between two variables. Make a chart that shows the relationship between the functions. Then plot the functions on the blank graph. Remember to label all parts of the graph.



**mBook Reinforce Understanding**  
 Use the mBook *Study Guide* to review lesson concepts.