





# The Variables of Renting

## Student Activity

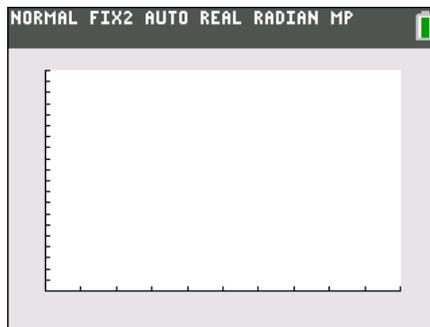
Name \_\_\_\_\_

Class \_\_\_\_\_

8. Set up a scatter plot as shown at the right. Then press **GRAPH** and draw the scatter plot you create of all the ordered pairs.

9. Draw a line to connect all the ordered pairs. What does this line represent? \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_



### Part 3 – Change That Shape

Finally, look at the equation that can model our rental scenario.

10. Enter the math sentence you wrote in Question 6 into Y1 (press **Y=**), and then graph (press **GRAPH**). How does the graph of the equation compare to the line drawn in Question 9?

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\_\_\_\_\_

11. Look at a table of the function values. Press **2nd** [TBLSET] and set up the table as shown at the right. Press **2nd** [TABLE] to see the actual table of function values. How do these values compare to the list of ordered pairs from Question 7?

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\_\_\_\_\_



12. Use the Trace feature to trace both the scatter plot and the function. Use the words continuous and discrete to describe the differences between the two.

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