

Name: _____

Class: _____ Date: _____

1. Record your screen time data in the chart below. Mark each entry with the date and express your time in hours.

Daily Screen Time for Two Weeks

	1:	2:	3:	4:	5:	6:	7:
Screen Time							
	8:	9:	10:	11:	12:	13:	14:
Screen Time							

2. Use the data in your chart above to create a dot plot, histogram, or box plot.

a. **Daily Screen Time for Two Weeks**

b. Type of Graph: _____

c. Why did you choose to represent your data using this graph?

3. Compare your graph to a classmate who used the same type of graph. What are some things you notice? Differences? Similarities?

4. Compare your graph to the class graph(s). What are some things you notice? Differences? Similarities?

5. What are some reasons you can think of for any variability between graphs?

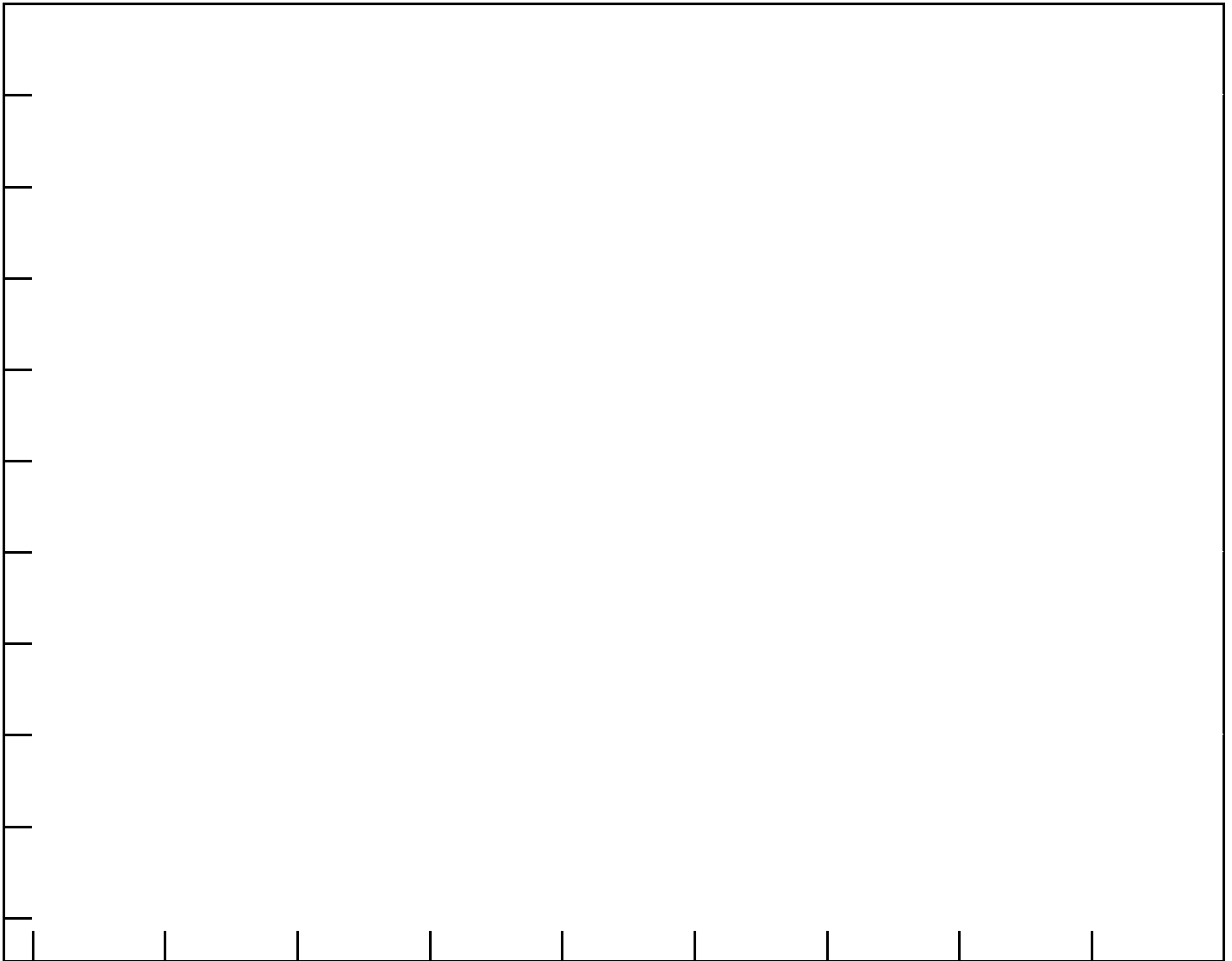
6. Record your notification data in the chart below. Mark each entry with the date.

Daily Notifications for Two Weeks

	1:	2:	3:	4:	5:	6:	7:
Notifications							
	8:	9:	10:	11:	12:	13:	14:
Notifications							

7. Use the data in your chart above to create a scatter plot.

Daily Notifications for Two Weeks



8. Draw an estimated line of best fit on your scatter plot in a different color.

9. What is the slope of your line?

10. What is the equation of your line?

11. How close was your equation to the equation for the population data? What could be a possible reason for any differences?

12. What is the correlation coefficient for your data? _____

13. Do notifications have an effect on screen time? Explain your answer using statistical evidence.