Name _____ **Date** _____ **Period** _____

THERE'S A GRAPH FOR THAT

Directions - complete the following activities to learn how to create an AMAZING graph all by yourself!

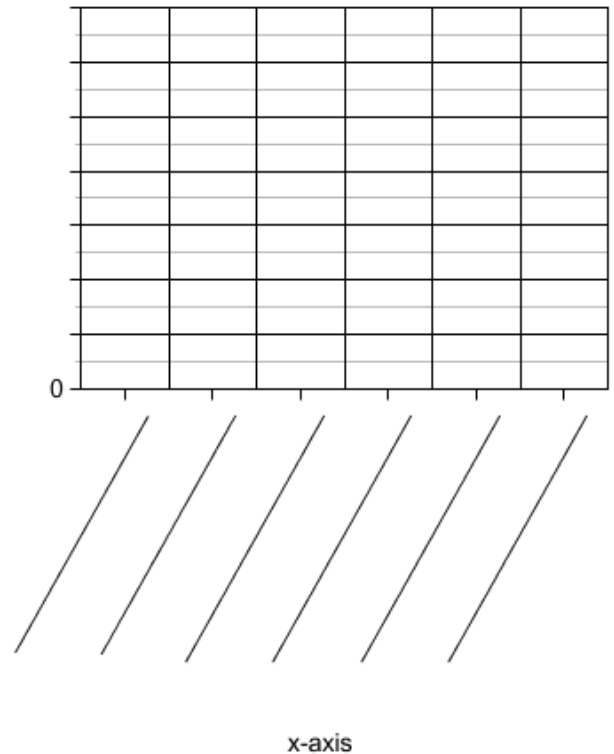## Activity 1 – What Does the Class Think?

1. Walk around the class and ask 20 other students the dessert preference for the class. Collect the data in the data table below. You only have 5 minutes to gather the data.

Dessert Type	# of Students
Cookies	
Cake/Cupcakes	
Pies	
Ice Cream	
Brownie	
Other	

Title _____

2. Use the following steps to create a bar graph that will show the results.
   a. Add a title for the graph
   b. Label the independent variable and add the variables on the x-axis
   c. Label the dependent variable and add the value on the y-axis
   d. Create a bar to represent the data
3. What is the most common liked dessert in the class?

4. If the cafeteria at Dixie Middle School ran out of the favorite dessert, what would be the second best choice for them to offer?
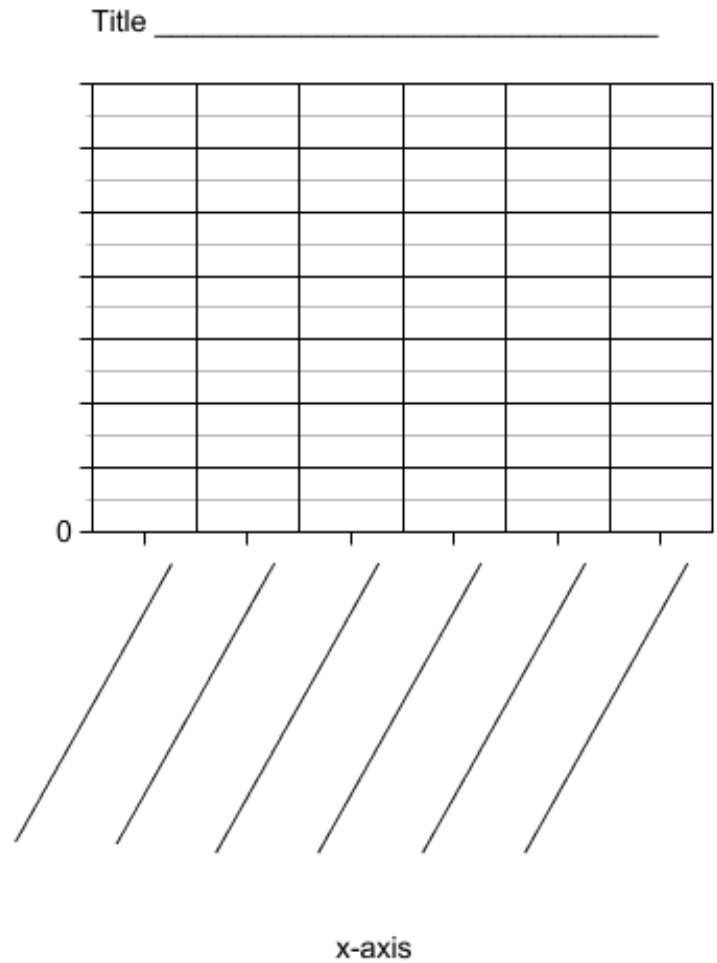
y-axis

0

x-axis

Activity 2 – More Graphing Practice

A. Graph the following information in a **BAR graph**.

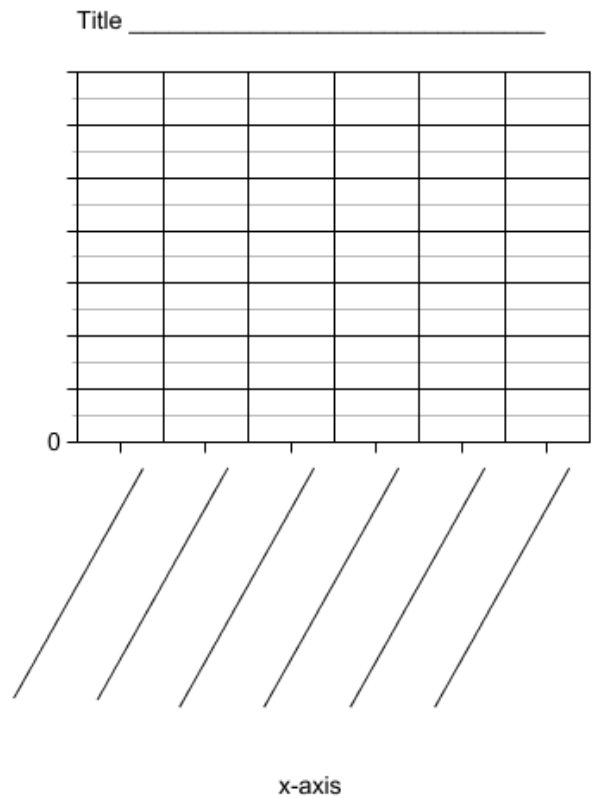| Month	# of deer
Sept	38
Oct	32
Nov	26
Dec	20
Jan	15
Feb	12

Title _____

y-axis

0

x-axis

5. What month were most deer observed?

6. What is the independent variable?

7. What is the dependent variable?

B. Graph the following information in a **LINE graph**.

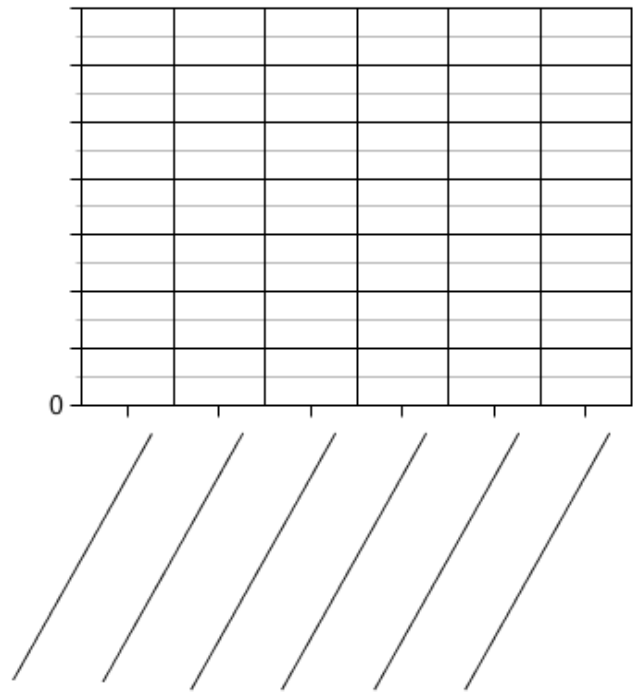| # of Days	# of Bacteria
1	4
2	16
3	40
4	80
5	100
6	200

Title _____

y-axis

0

x-axis

8. What pattern do you notice with the bacteria?

9. What do you predict will happen to the amount of bacteria on day 10?

10. What is the dependent variable?

11. What is the independent variable?

C. Graph the following information on a **LINE Graph**

Temperature (°F)	Enzyme Activity
0	0
20	10
30	15
0	20
50	8
60	5

Title _____

y-axis

0

x-axis

12. How does temperature affect enzyme activity?

13. What do you predict might happen to the enzyme activity at 70°F?

14. What is the dependent variable?

15. What is the independent variable?