

Y<sub>2</sub>

Name: Key

Date: \_\_\_\_\_ Period: \_\_\_\_\_

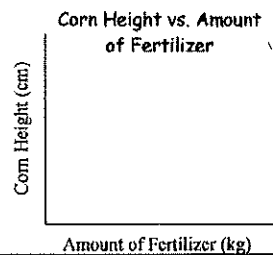
## Graphing Skill #6: Creating Titles

When writing a title for you graph, please remember:

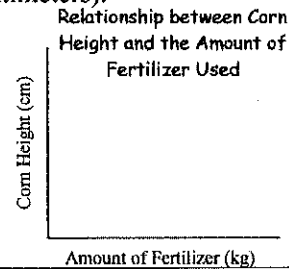
- ☐ Must communicate the dependent and independent variables
- ☐ Can be presented in the form "Y versus X"
- ☐ Some graphs need more explanation than others. Make sure your reader would be able to understand what your data represent

Y vs X

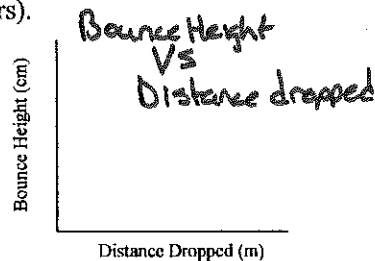
**SAMPLE:** A farmer wants to know if there is a relationship between the amount of fertilizer (in kilograms) she uses and how tall her corn grows (in centimeters).



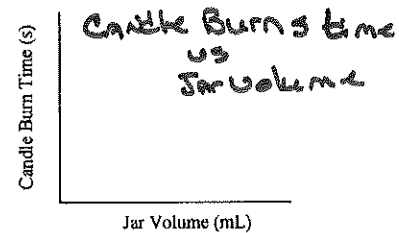
OR



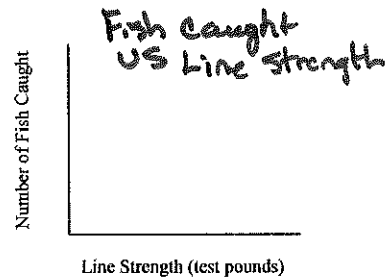
**Graph 1:** A ball is dropped from several distances above the floor (in meters) and the height it bounces is then measured (in centimeters).



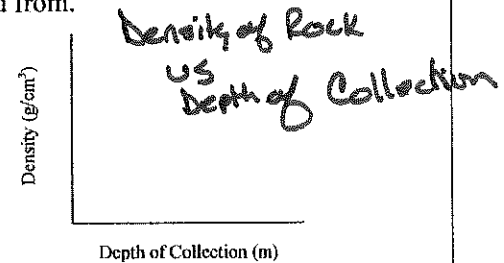
**Graph 2:** A candle was burned under glass jars of different volumes (in mL) to see if the volume of the jar affects the length of time (in seconds) the candle burns.



**Graph 3:** A fisherman used fishing lines of several different gauges (test pounds) and recorded the number of fish caught on each gauge.



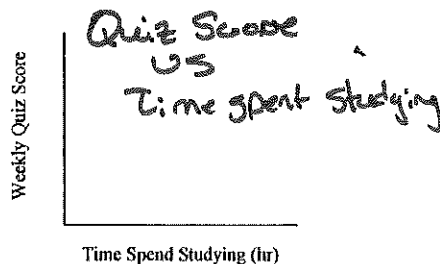
**Graph 4:** Geologists wanted to know if there was a relationship between the density of a rock and how many meters down it was collected from.



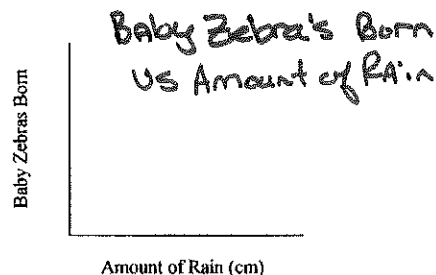
Y vs X

Name: key Date: \_\_\_\_\_ Period: Graphing Skills  
# 6

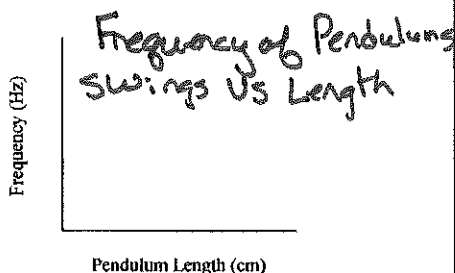
**Graph 5:** Is there a relationship between the numbers of hours a student studies and the score s/he gets on the weekly quiz?



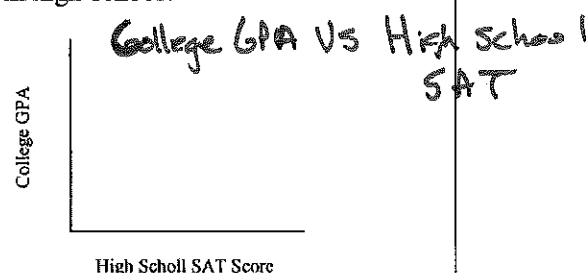
**Graph 6:** A scientist studied the relationship between amount of rain (in cm) and the numbers of zebra babies born each spring.



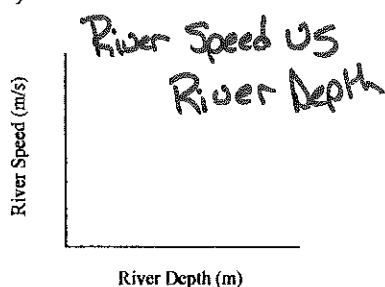
**Graph 7:** Do longer pendulums (measured in cm) have higher frequencies (measured in Hertz)?



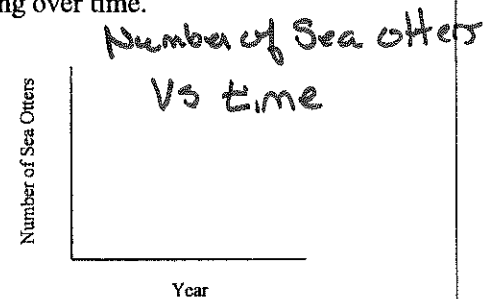
**Graph 8:** Does the grade point average that a student earns in college depend on his/her SAT score from high school?



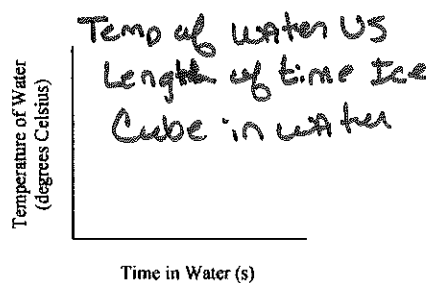
**Graph 9:** How does the depth of a river (in meters) impact its speed (measured in meters per second)?



**Graph 10:** Sea otters were counted over a number of years to see if their numbers were decreasing over time.



**Graph 11:** Does the length of time an ice cube is in water (in seconds) affect the temperature of the water (in degrees Celsius)?



**Graph 12:** Does the amount of nitrogen in the soil (measured in kilograms) affect corn production (measured in kilograms)?

