

Name: _____ Date: _____

Unit 3 Prob and Stat Vocab

1. A relationship between two variables; x is the independent (explanatory) variable, y is the dependent (response) variable
 2. A numerical measure of a type of correlation; precise way to measure the type and strength of a linear correlation between two variables
 3. Indicated by the variable “y”; also known as the response variable
 4. Indicated by the variable “x”; also known as the explanatory variable
 5. Another name for the independent variable; x
 6. Another name for the dependent variable; y
 7. The line that best fits the data; sometimes called the line of best fit; allows for one to predict the value of y when given a value for x
 8. A correlation between two variables where if one variable increases, the other variable increases; if one variable decreased, the other variable decreases
 9. A correlation between two variables in which if one variable increases, the other variable decreases, and vice versa
 10. A statistical measurement that attempts to determine the strength of the relationship between the dependent and independent variables
 11. The difference between the observed value of the dependent variable and the predicted value
 12. A graph in which the values of two variables are plotted, the pattern resulting in points that reveal the type of correlation, if any is present
- A. Independent Variable
 - B. Dependent Variable
 - C. Negative Relationship
 - D. Explanatory Variable
 - E. Response Variable
 - F. Correlation Coefficient
 - G. Regression Line
 - H. Regression
 - I. Scatter Plot
 - J. Residual
 - K. Correlation
 - L. Positive Relationship