**Directions:**

1. Use each table on the next page to create a scatter plot below.
2. Use the steps on the next page to enter the sets of data from each table into your calculator.
3. From the calculator identify the correlation coefficient (r-value), slope, & y-intercept.
4. Write an equation in slope-intercept form (y = mx + b) using your slope and y-intercept.
5. Graph this equation on the graph.

**a)**

**c)**

**b)**



Correlation Coefficient (r): \_\_\_\_

Slope (a): \_\_\_\_\_\_\_\_\_

Y-intercept (b): \_\_\_\_\_\_\_\_

Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Correlation Coefficient (r): \_\_\_\_

Slope (a): \_\_\_\_\_\_\_\_\_

Y-intercept (b): \_\_\_\_\_\_\_\_

Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Correlation Coefficient (r): \_\_\_\_

Slope (a): \_\_\_\_\_\_\_\_\_

Y-intercept (b): \_\_\_\_\_\_\_\_

Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**f)**

**e)**

**d)**



Correlation Coefficient (r): \_\_\_\_

Slope (a): \_\_\_\_\_\_\_\_\_

Y-intercept (b): \_\_\_\_\_\_\_\_

Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Correlation Coefficient (r): \_\_\_\_

Slope (a): \_\_\_\_\_\_\_\_\_

Y-intercept (b): \_\_\_\_\_\_\_\_

Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Correlation Coefficient (r): \_\_\_\_

Slope (a): \_\_\_\_\_\_\_\_\_

Y-intercept (b): \_\_\_\_\_\_\_\_

Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

