

Algebra II
Scatter Plot, Line of Best Fit, Correlation Coefficient, and Prediction Project

You are going to make a poster showing the following items. Each item must be shown and all work must be shown on your poster to receive credit.

1. List your data in a table.
2. Plot the data points on a scatter plot (by hand).
3. Draw a line of best fit (by hand) on your scatter plot.
4. Find two points on your line and write the equation on that line in slope-intercept form.
5. Use your graphing calculator to make a scatter plot and include a picture on your poster.
6. Find the linear regression to fit and tell me the value of the correlation coefficient.
7. Make a prediction using both your line found and the one the calculator found.

Use your creativity to make this poster eye-catching. Be sure to include all information listed.

This poster is due Thursday, October 6, at the beginning of class. If it is turned in after that, it is late, and will be docked 1 letter grade per day that it is late.

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