**Scatterplots, Lines of Good Fit, Predictions, Rates of Change *Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

*USE YOUR LINE OF BEST FIT TO MAKE PREDICTIONS.*

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| 1. Make a scatterplot using the data from the table of value.
 | 1. Draw a line of best fit for the points in your scatterplot.
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| 1. How much money will you earn if you work for 7 hours? State the coordinates and mark a point on the graph.
 | 1. If you earned $90, how long did you work for? State the coordinates and mark a point on the graph.
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| 1. Use a point on your line to determine the rate of change. Show your calculation and include units.
 | 1. Explain the meaning of the rate of change.
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| 1. How much money will you earn in one year if you work for 3 hours every day?
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| 1. Make a scatterplot using the data from the table of value.
 | 1. Draw a line of best fit for the points in your scatterplot.
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| 1. How many points will you score if you take 7 shots? State the coordinates and mark a point on the graph.
 | 1. Predict how many shots you took if you scored 26 points. State the coordinates and mark a point on the graph.
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| 1. Use a point on your line to determine the rate of change. Show your calculation and include units.
 | 1. Explain the meaning of the rate of change.
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| 1. You took 24 shots and scored 40 points. Is this more or fewer points than you would expect to score? Explain how you know.
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