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Warmup $4 /|4 \cdot 3 \cdot 0+4 \cdot 3|$
WE ARE STARTING CLASS NOW!
GET A RULER/CALCULATOR

1. Draw what you think a scatter plot comparing "Size of house" and "Cost of electricity bill" would look like.
2. Draw what you think a scatter plot comparing "Number of schoo absences" and "Number of homework assignments completed" would look like.

Volume Quizzes


What is the slope, and what does it mean?


Slope is about 1.5.
Your grade would be expected to go up 1.5 percent for each hour spent studying.

How to find the slope of a line of best fit

1. Draw two new points on the line of best fit (Preferrably far apart!) and estimate their coordinates.
2. Use $\frac{y_{2}-y_{1}}{x_{2}-x_{1}}$ to find the slope.

You do NOT use the points from the actual scatter plot. (Unless they are directly on the line!!!)

On your notes page...
"Complete the "Olympic Scatter Plot" - Problems 1 \& 2
"You must use a ruler for the line of best fit
"Early finishers can move on to 3-6


## ASSIGNMENT

Creating Lines of Best Fit Practice

