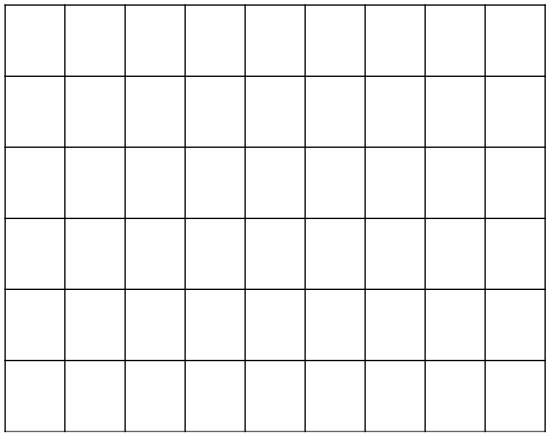
8-5-3. Plotting Points and Finding Slope

Name _____ Date _____

1. Carefully copy the graph on the blackboard to the below grid. Include all labels and numbers.



2. This graph represents the rows of tables in our room. Find the point on the graph representing your assigned seat. Use *x*- and *y-coordinates*. _____
3. Choose another assigned seat on the graph located at a different row and column and identify it's *x* and *y-coordinates*. _____
4. Using a straightedge (folded paper works), carefully draw a straight line connecting the two points.
5. Looking from left to right, fill out the below chart, and label the points $\mathbf{P_1}$ and $\mathbf{P_2}$.
6. Using the **Slope Formula**, find the slope of the line connecting the two points. Answers can be in factions. Simplify answers if needed.

Points	**x-coordinate**	**y-coordinate**	P_x = (x , y)
P_1	x_1 =	y_1 =	P_1 = (,)
P_2	x_2 =	y_2 =	P_2 = (,)
m =	m =	m =	m =