

PROGRESSIONS:
PEER-LED TEAM LEARNING**Module 5: Graphing Linear Equations**

Objective

- ❖ To graph linear equations using the slope-intercept method

Module 5A: Post-Lecture

1. Write the following slopes on six individual pieces of paper:

$$m = \frac{2}{5} \quad m = -\frac{2}{5} \quad m = \frac{3}{4} \quad m = -\frac{3}{4} \quad m = \frac{1}{2} \quad m = -\frac{1}{2}$$

Place each piece of paper face down and shuffle them. Each group member selects a slope. Do not show the slope to anyone in the group.

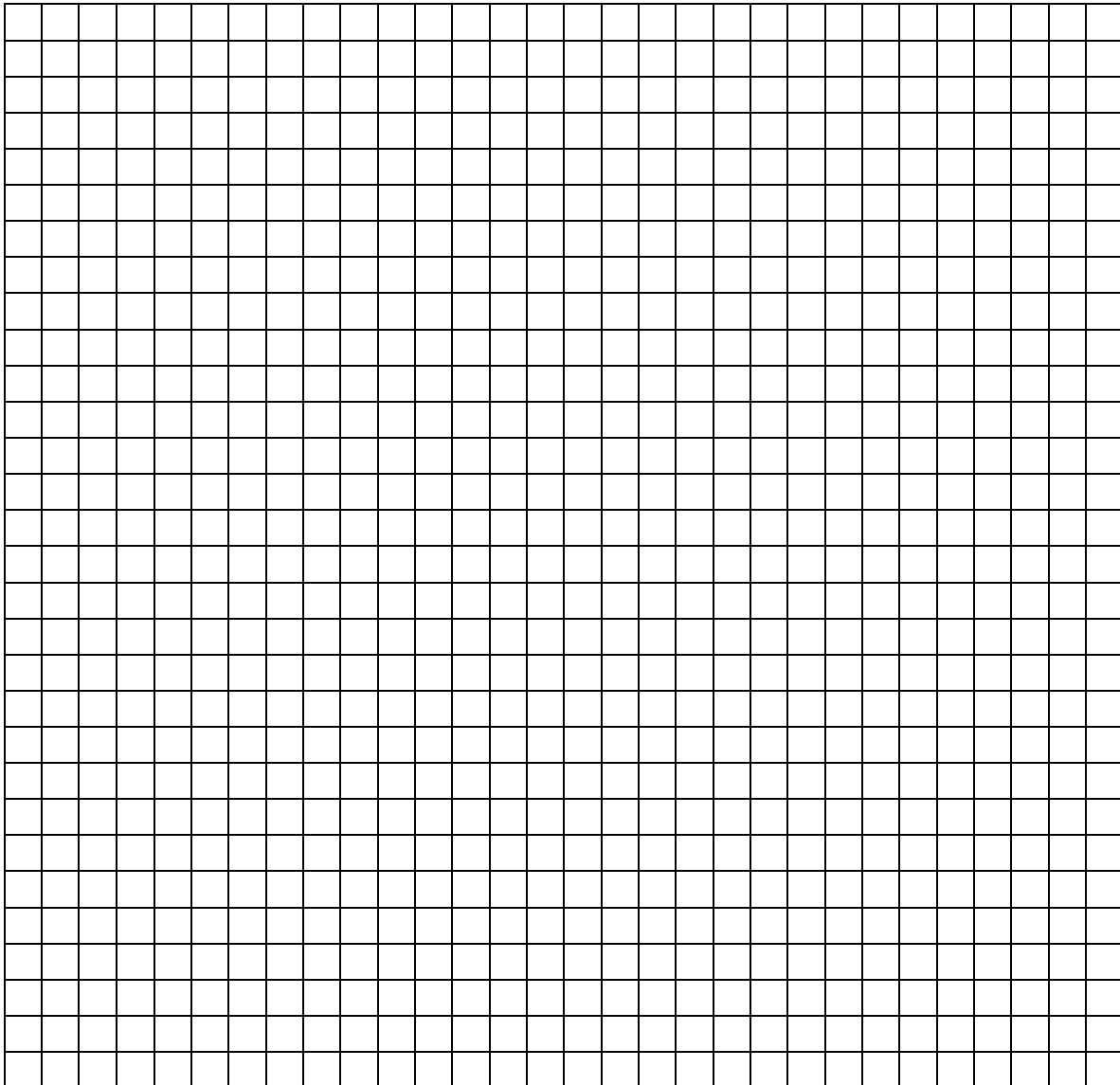
2. Similarly, on another six individual pieces of paper, write the following y-intercepts:

$$b = 2 \quad b = -2 \quad b = 1 \quad b = -1 \quad b = 4 \quad b = -4$$

Place each piece of paper face down and shuffle them. Each group member selects a y-intercept. Do not show the y-intercept to anyone in the group.

3. Write your linear equation in the form of $y = mx + b$ using the values of m and b that you had selected in the space provided below. Do not show this equation to your group.

4. Neatly, graph your equation neatly on the graph paper on the next page. Do not label the graph with the equation.
5. When everyone in the group has finished, place the graph in a pile. The group as a whole should identify the slope and y-intercept and the correct equation of the graph.



Slope: _____

Y-intercept: _____

Equation of the line: _____

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