Name_____ Problem Set Video #3 A2 Summer 24

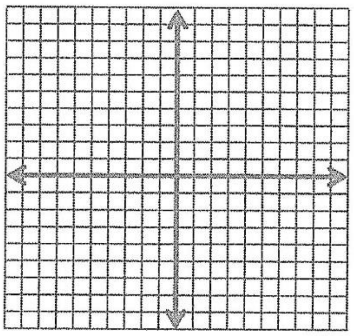
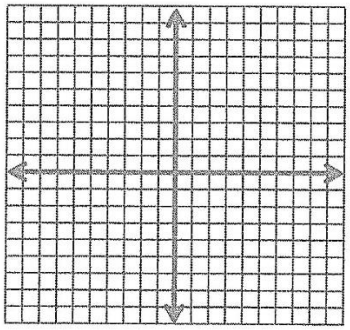
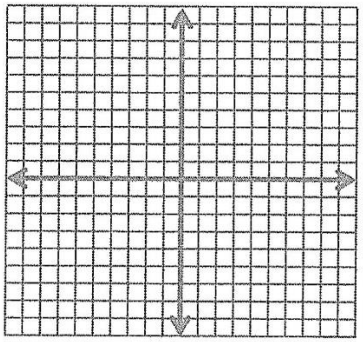
Graphing linear functions and inequalities

1. Define Function-

2. Match the three different forms for graphing linear functions:

Point-slope form	$ax + by + c$
Slope-intercept form	$y - y_1 = m(x - x_1)$
Standard form	$y = mx + b$

3. Graphing the following

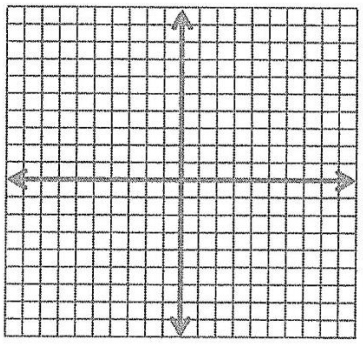
a. Slope-Intercept form	**b. Point-Slope form**	**c. Standard form**
Graph $y = -\frac{2}{5}x - 5$  m = b =	Graph $y + 1 = 2\,(x - 4)$  m = point=	Graph $4x - 3y = 12$  x-int: y-int:

4. **Graph: Horizontal and Vertical Lines**

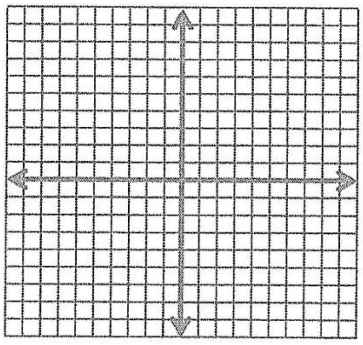
$x = -3$ $y = 4$

5. **Inequalities:**

a. Graph $y > 2x - 4$



b. Graph $-5x - 2y \geq 4$



c. Graph $2y + 4x > -8$
$x \geq -7$

