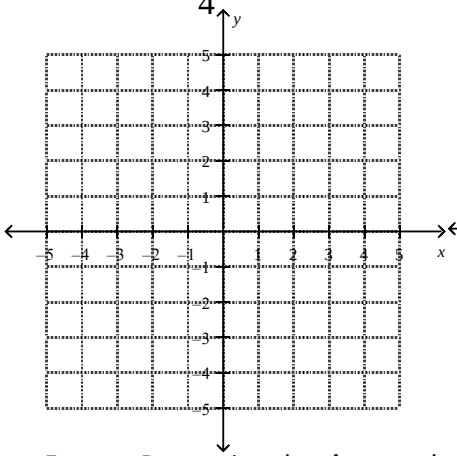
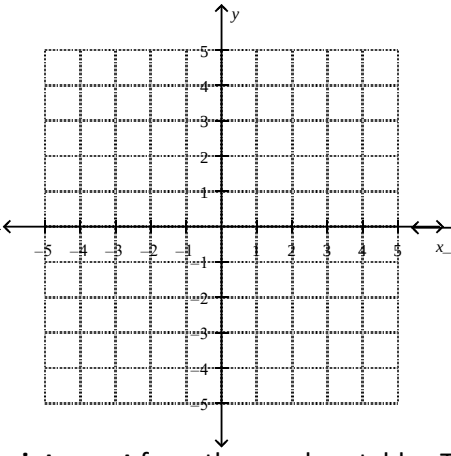
Warm-up: Linear Part 3 Day 1 **Name:** _____

Determine the slope and y-intercept from the equation of the line and then graph it

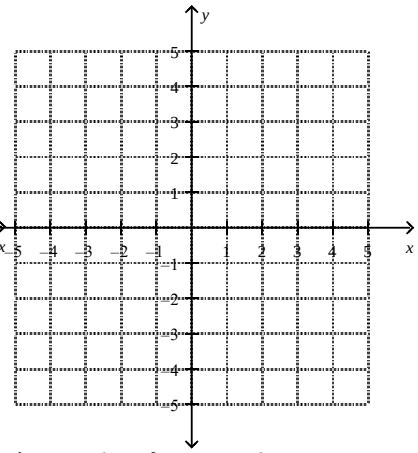
1. $y = \frac{-1}{4}x + 3$



2. $y = 5x - 2$

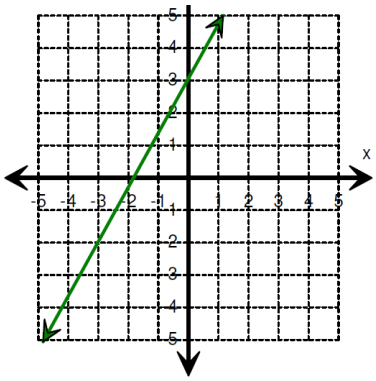


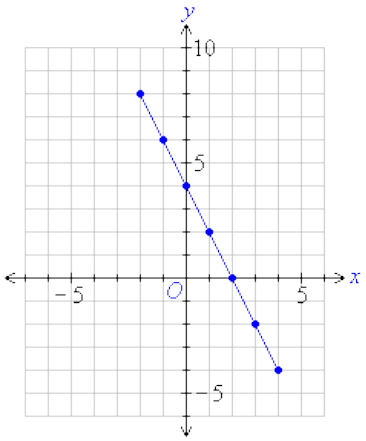
3. $x = -2$



4. $y = 4$

5. Determine the **slope** and **y-intercept** from the graph or table. Then **write the equation**.





x	y
2	5
4	9
6	13
8	17
10	21

x	y
-2	5
-6	3
-10	1
-14	-1
-18	-3

The following equations are given in point slope form. Rewrite them in slope-intercept form.

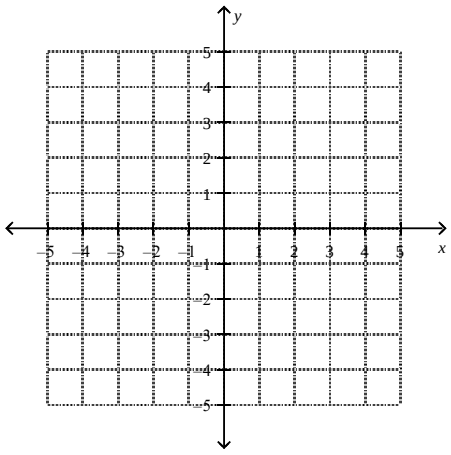
6. $y - 5 = -2(x + 1)$

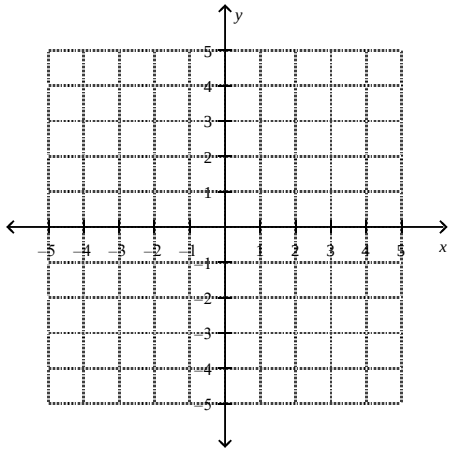
7. $y + 2 = 4(x - 3)$

Write an equation in point slope form, $y - y_1 = m(x - x_1)$, then rewrite the equation in slope intercept form and graph it.

8. (4, -1) m = 3

9. (-4, 1) $m = \frac{-1}{2}$





Write an equation in point slope form, $y - y_1 = m(x - x_1)$, then rewrite the equation in slope intercept form.

10. (-3, -5) m = -2

11. (3, -6) $m = \frac{-1}{3}$

12. (5, 1) m = 7

13. (-8, 2) $m = \frac{-3}{4}$