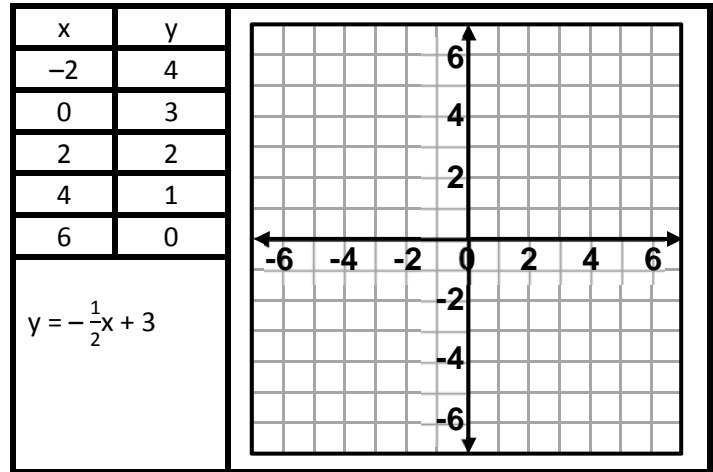
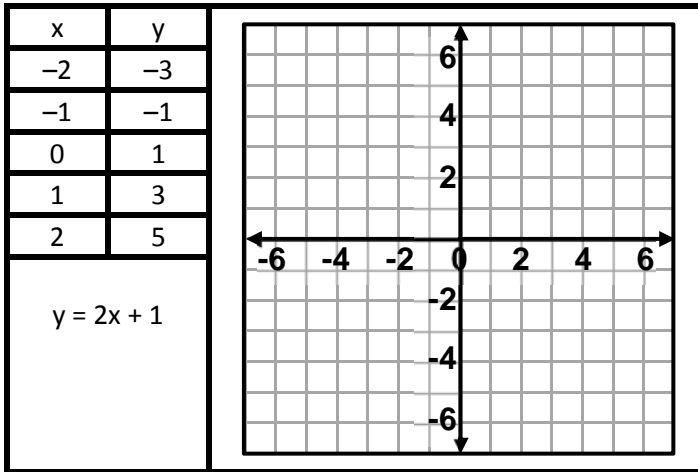




Homework SY-1 – NYA p.320 #4 – 7, 13 – 15, 28, 29, 32, 51, 52, 53



REMEMBER...

Slope-Intercept Form of a Line: $y = mx + b$

\uparrow
 $m = \text{slope}$

\nwarrow
 $b = \text{y-intercept}$

Graphing A Line Using $y = mx + b$

1. Arrange the equation into “ $y = mx + b$ ” form. (Solve for y)
2. Plot the y-intercept (b) on the y-axis.
3. Use the slope (m) to graph the line using $\frac{\text{rise}}{\text{run}}$ or $\frac{\text{change of } y}{\text{change of } x}$.



Practice

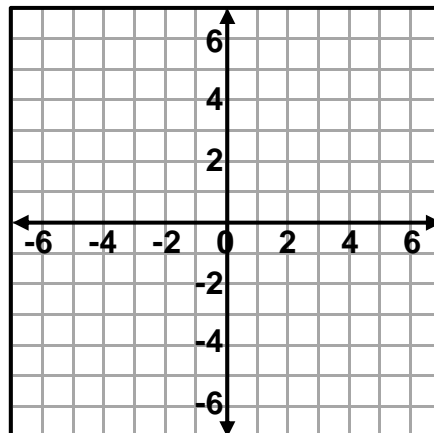
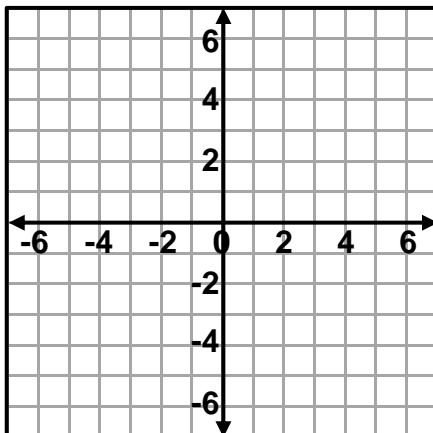
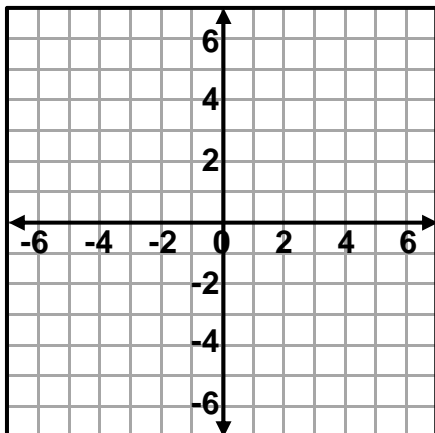
A. Make an equation	B. Find the slope (m) and y-intercept (b)
1. $m = 5, b = -2$	1. $y = -14x + 1$
2. $m = \frac{1}{2}, b = 10$	2. $y = \frac{5}{2}x$
3. $m = 0, b = -9$	3. $2y + 1 = 8x + 7$
4. $m = 7, b = 0$	4. $y = 2$

Graph the Lines

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

2. $y = -x - 3$

3. $y - 2 = -2x + 1$



MORE Graph the Lines

1. $y = -\frac{3}{2}x + 2$

2. $y + 4 = x + 4$

3. $2y = x + 6$

