

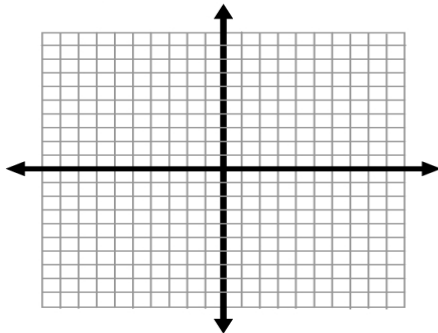
**Worksheet 2-2-1 ~ Graph  $y=mx+b$  (Slope-Intercept Form)**

Note: to graph an equation in  $y = mx + b$  form, remember that:

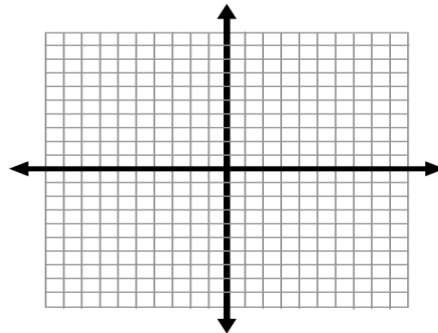
- $m = \text{slope} = \frac{\text{rise}}{\text{run}} = \frac{\Delta y}{\Delta x}$
- $b = \text{y-intercept} = (0, b)$

**Simplify and graph the following equations (Label your Points!):**

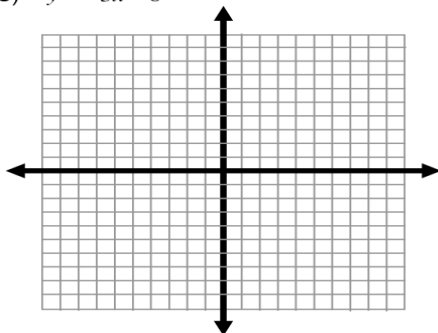
1)  $y = -\frac{2}{3}x - 7$



2)  $y = \frac{3}{4}x + 5$



3)  $y = -3x - 6$



4)  $y + 2x = 5$

