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| Math Lab  | **Guided Notes: Graph an equation in slope-intercept form** |
| Objective: Students will be able to Graph an equation in slope-intercept form (A4.1) |

**What is slope-intercept form?**

$$y=mx+b$$

 m🡪 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ b🡪\_\_\_\_\_\_\_\_\_\_\_

**Graphing in slope-intercept form:**

1. Plot the y-intercept (b) as a point on the y-axis.
2. Plot additional points by using the slope (m)
3. Connect the points with a line

**Example 1:** $y=2x+1$



y-intercept = \_\_\_\_\_\_\_\_\_\_\_\_

slope = \_\_\_\_\_\_\_\_\_\_\_

**Example 2:** $y=-x-4$

y-intercept = \_\_\_\_\_\_\_\_\_\_\_\_

slope = \_\_\_\_\_\_\_\_\_\_\_

**Example 3:** $y=\frac{3}{2}x-2$



y-intercept = \_\_\_\_\_\_\_\_\_\_\_\_

slope = \_\_\_\_\_\_\_\_\_\_\_

**Example 4:** $y=-2x+3$

y-intercept = \_\_\_\_\_\_\_\_\_\_\_\_

slope = \_\_\_\_\_\_\_\_\_\_\_