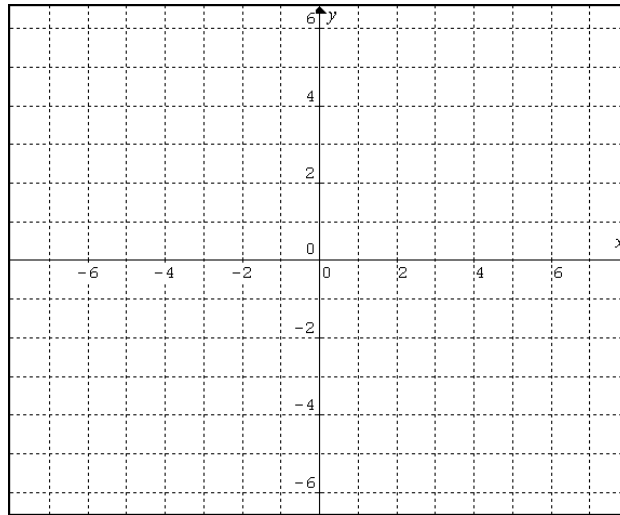


6.0.1 Graphing Linear Equations Review

Recall:



A. Slope Intercept Form: $y=mx+b$

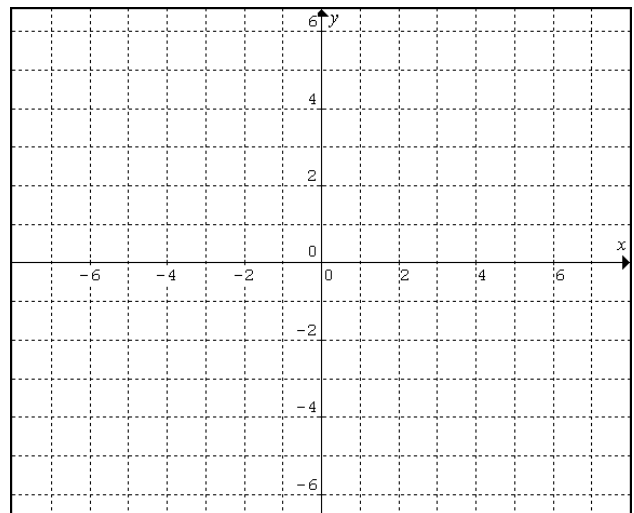
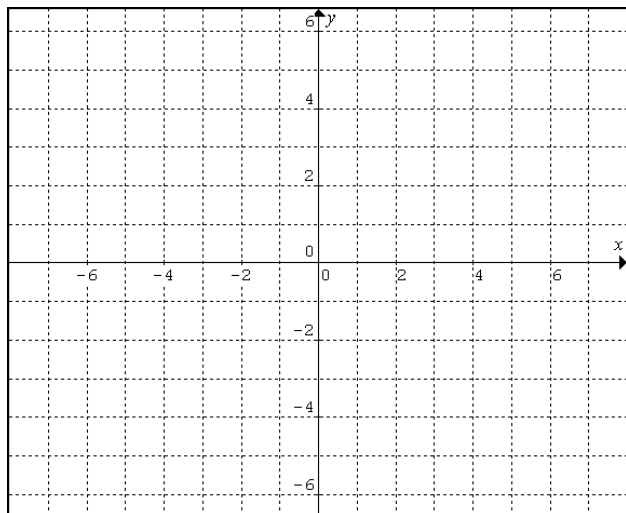
To graph equations in this form:

1. Plot _____
2. Apply the _____ to find a second _____
3. Join the _____ and _____ the line with the _____.

Example 1: Graph:

a) $y = -2x + 1$

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



B. General Form: $Ax + By + C = 0$

Example 2: Convert to general form:

a) $y = -2x + 1$

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

c) $\frac{3}{4}x - \frac{5}{6}y = \frac{2}{3}$

Finding Intercepts:

Finding the y-intercept is easy if the equation is in _____ form. Regardless of the form, to find an intercept, set the _____ variable equal to _____ and solve.

Example 3: Find the x-intercept and the y-intercept:

a) $y = -2x + 1$

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

c) $\frac{3}{4}x - \frac{5}{6}y = \frac{2}{3}$

Assignment: Worksheets