

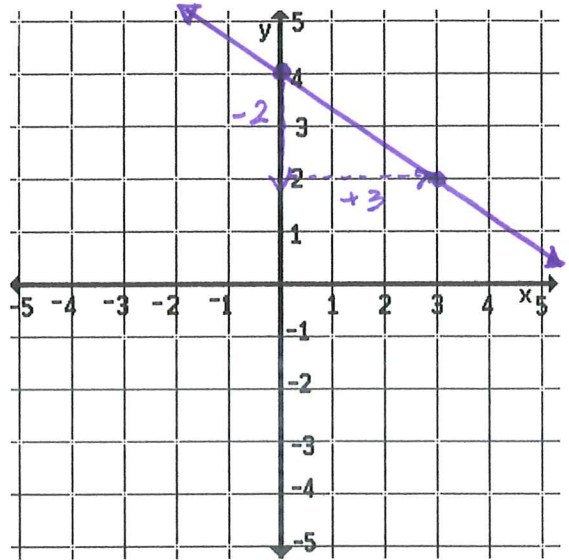
How to Graph an Equation in Slope-Intercept Form

Example: $y = -\frac{2}{3}x + 4$

Step 1: Plot the y-intercept
(in this case $(0, 4)$)

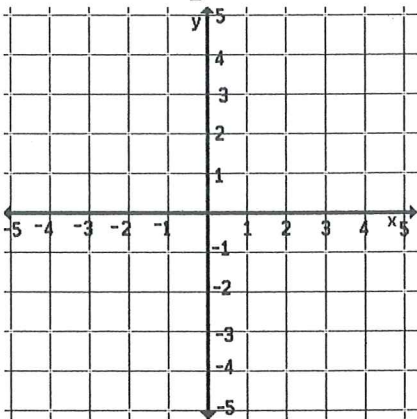
Step 2: Use the slope to find the next point on the line from the y-intercept. Remember slope = $\frac{\Delta y}{\Delta x}$
(in this case $\frac{\Delta y}{\Delta x} = \frac{-2}{3}$ which means down 2 and 3 to the right.)

Step 3: Draw a line **through** both points with a ruler. Don't forget arrows!

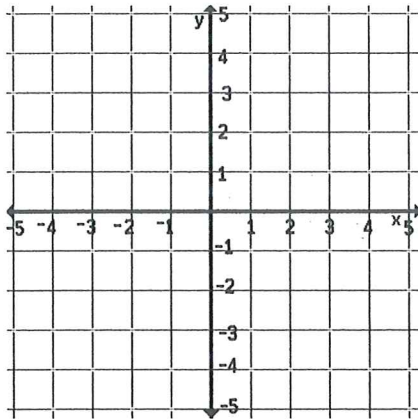


Practice Graphing:

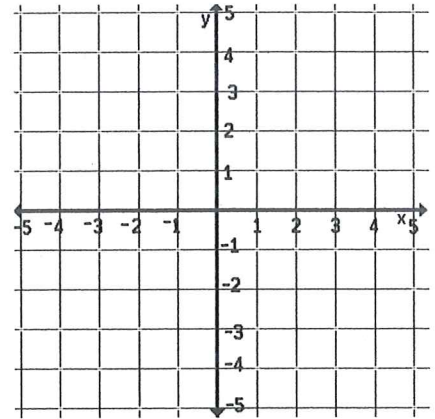
$$y = \frac{3}{2}x - 2$$



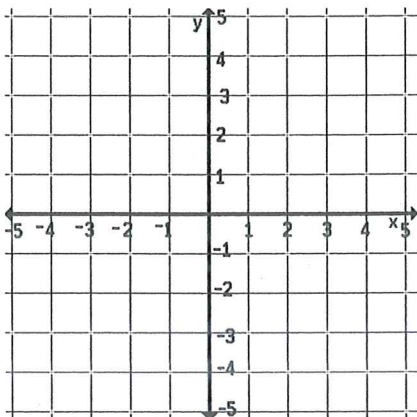
$$y = -3x + 4$$



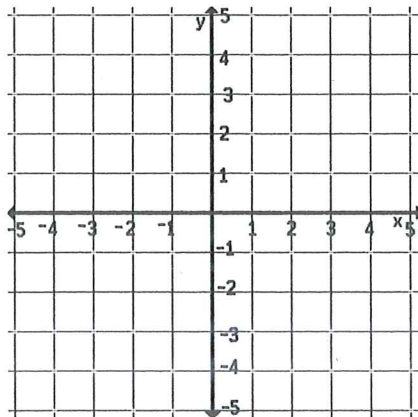
$$y = -\frac{2}{3}x + 4$$



$$y = 4x$$



$$y = 2x - 5$$



$$y = \frac{5}{4}x - 1$$

