Slope-Intercept Form of a Line

slope

$$y = mx + b$$
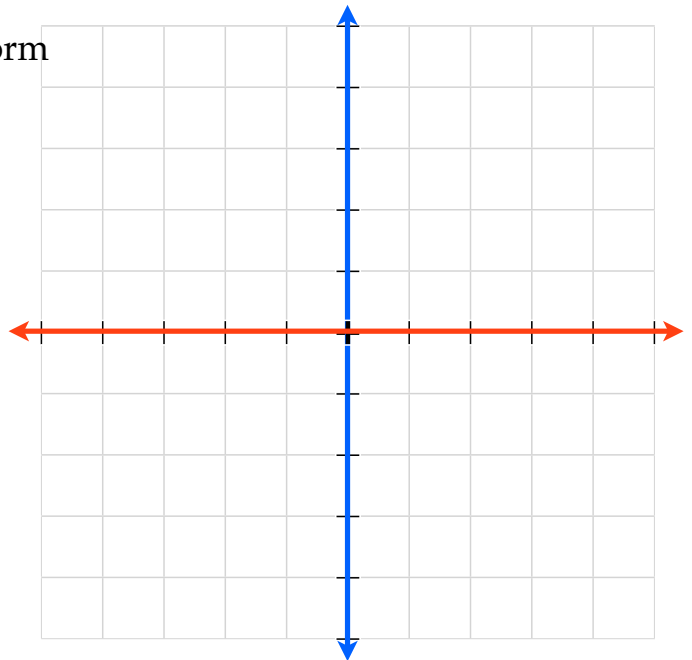
"y =" equation

y-intercept
$(0,b)$

Graph the following lines in slope-intercept form

$$y = mx + b$$

$$y = 2x - 3$$

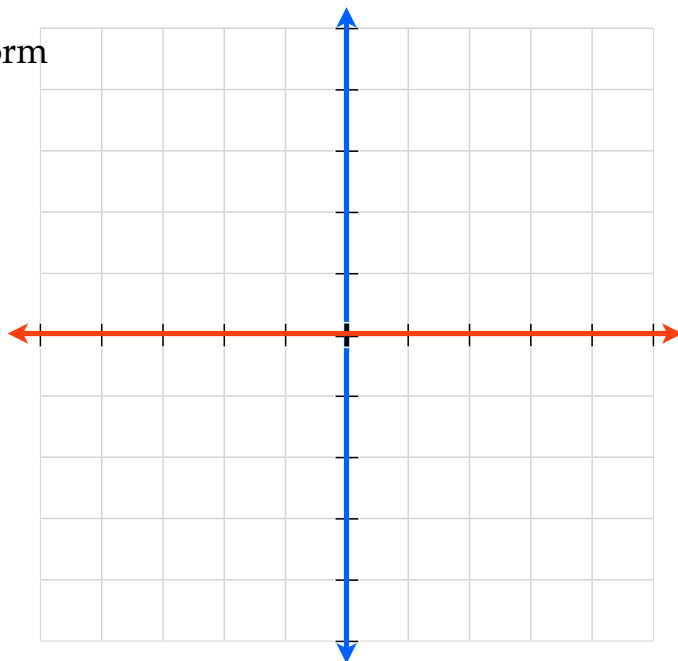Slope, m y-intercept, b

Graph the following lines in slope-intercept form

$$y = mx + b$$

$$y = -x + 2$$

Slope, m y-intercept, b

Graph the following lines in slope-intercept form

$$y = mx + b$$

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

Slope, m y-intercept, b

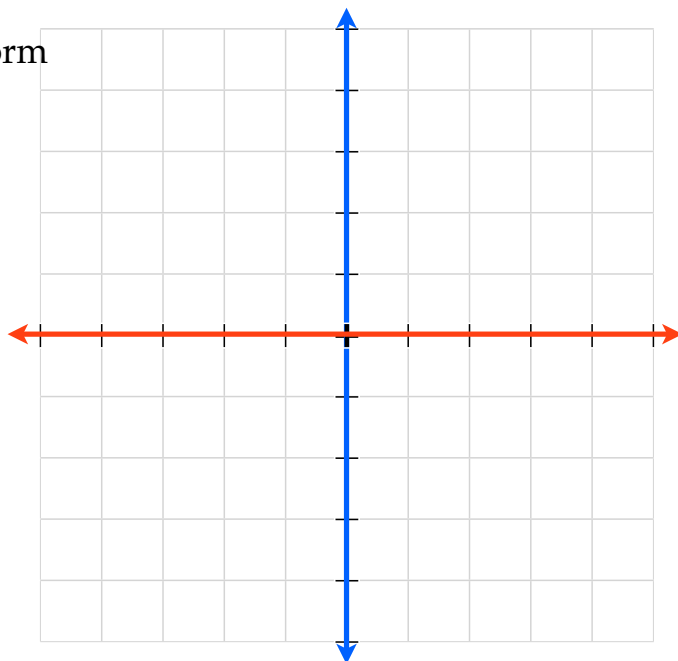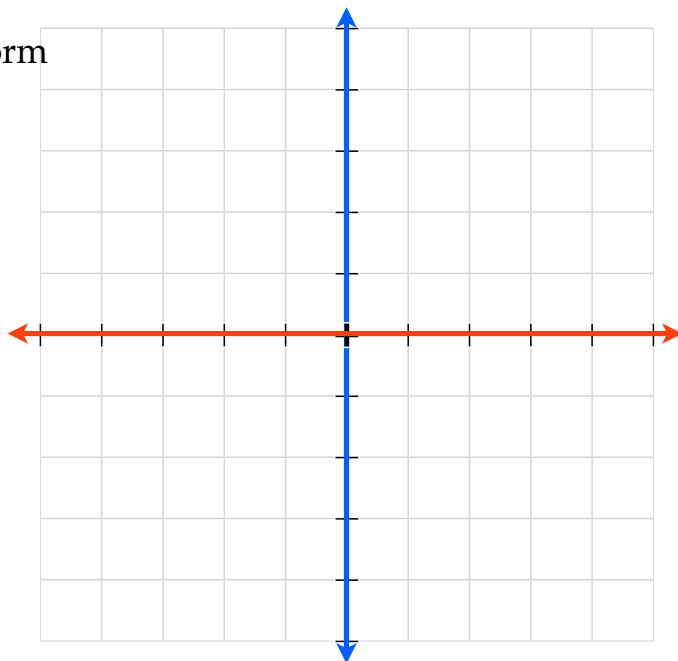Graphing Linear Equations in Slope-Intercept Form

Graph the following lines in slope-intercept form

$$y = mx + b$$

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

Slope, m y-intercept, b

Graph the following lines in slope-intercept form

$$y = mx + b$$

$$y = 3x - 2$$

Slope, m y-intercept, b
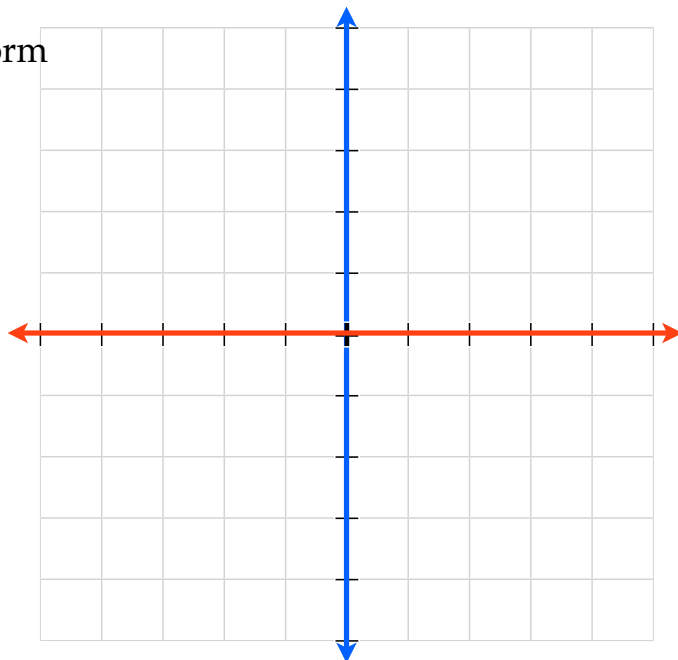
Graphing Linear Equations in Slope-Intercept Form

Slope-Intercept Form of a Line

slope

y-intercept
$(0,b)$

$$y = mx + b$$

Start at the y-intercept

From the y-intercept, apply the slope