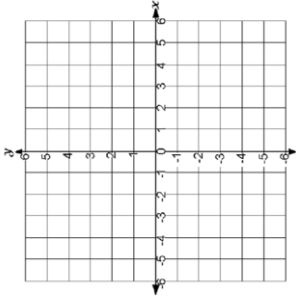
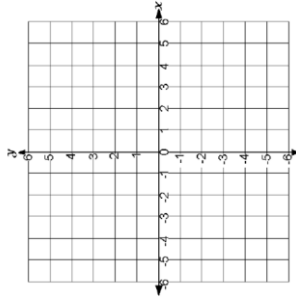


Example 4 Vertical and Horizontal Lines

$$2(4-x) = 3x - 2$$

$$2y + 5 = -1$$



Graphing Lines

Slope-intercept Form:

Standard Form:

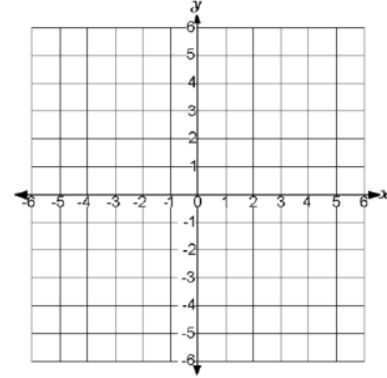
Intercepts:

Example 1 Find the slope, intercepts, and graph

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

Step 1: To find the slope and y-int, put in $y=mx+b$ form.

Step 2: To find the x-intercept, let $y=0$ and solve for x.

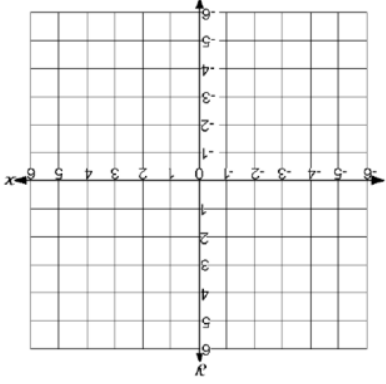


Example 3 Find the slope, intercepts, and graph

$$-3y = 6x$$

Step 1: To find the slope and y-int, put in $y=mx+b$ form.

Step 2: To find the x-intercept, let $y=0$ and solve for x.



Example 2 Find the slope, intercepts, and graph

$$-6x + 3y - 18 = 0$$

Step 1: To find the slope and y-int, put in $y=mx+b$ form.

Step 2: To find the x-intercept, let $y=0$ and solve for x.

