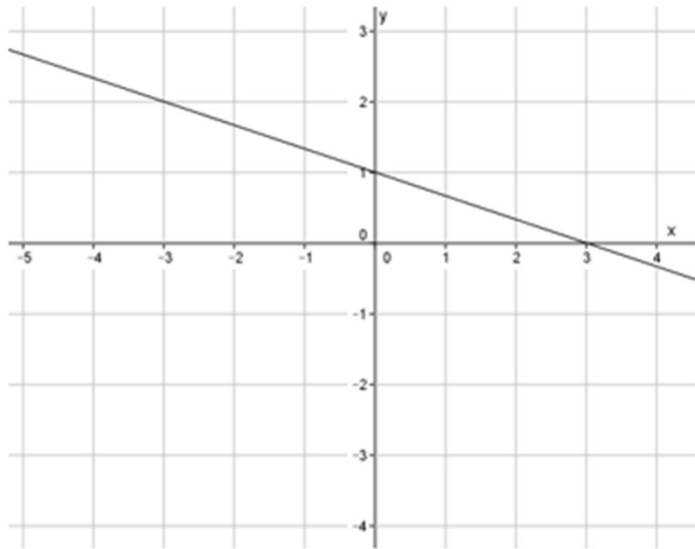


Equation of a Line

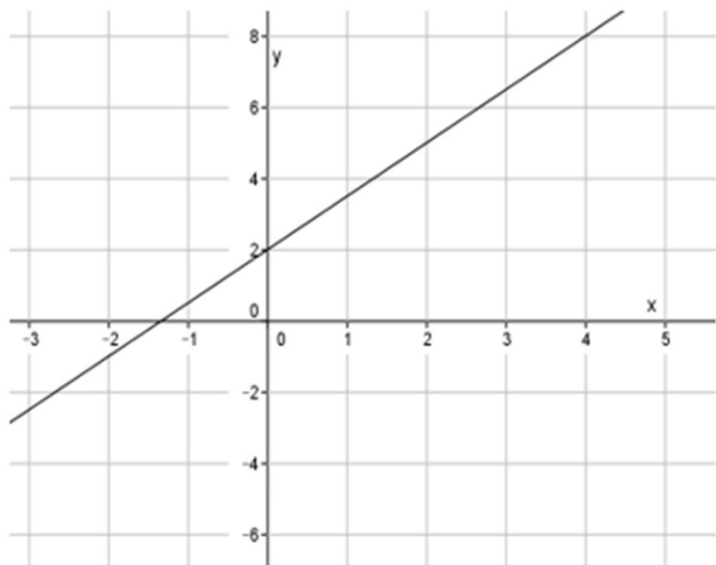
1. Write the equation (in slope-intercept form) that represents the line shown.

Change the equation from slope-intercept form to standard form.



2. Write the equation (in slope-intercept form) that represents the line shown.

Change the equation from slope-intercept form to standard form.



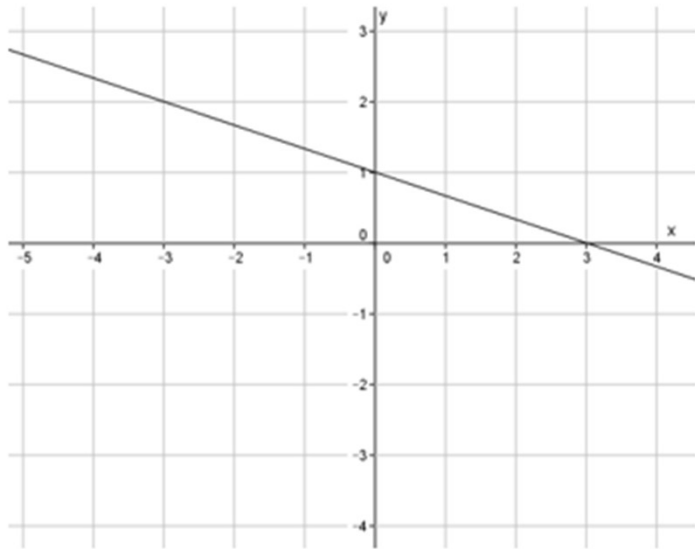
Equation of Line

1. Write the equation (in slope-intercept form) that represents the line shown.

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

Change the equation from slope-intercept form to standard form.

$$\begin{aligned}y &= -\frac{1}{3}x + 1 \\ \left(y = -\frac{1}{3}x + 1\right) 3 \\ 3y &= -x + 3 \\ x + 3y &= -x + x + 3 \\ x + 3y &= 3\end{aligned}$$



2. Write the equation (in slope-intercept form) that represents the line shown.

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

Change the equation from slope-intercept form to standard form.

$$\begin{aligned}y &= \frac{3}{2}x + 2 \\ \left(y = \frac{3}{2}x + 2\right) 2 \\ 2y &= 3x + 4 \\ -3x + 2y &= 3x - 3x + 4 \\ -3x + 2y &= 4 \\ -1(-3x + 2y = 4) \\ 3x - 2y &= -4\end{aligned}$$

