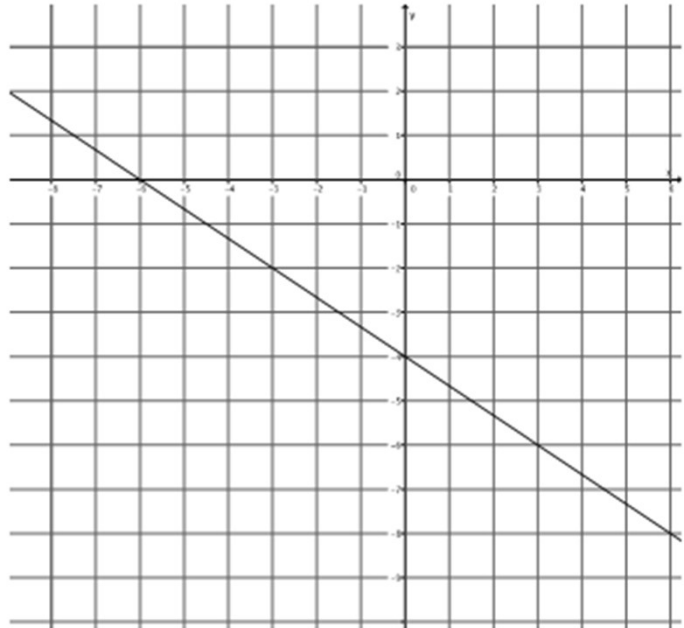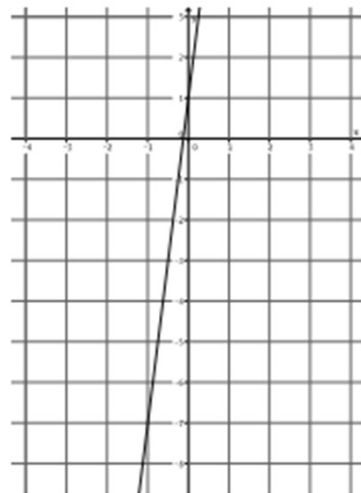# Equation of Line

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.

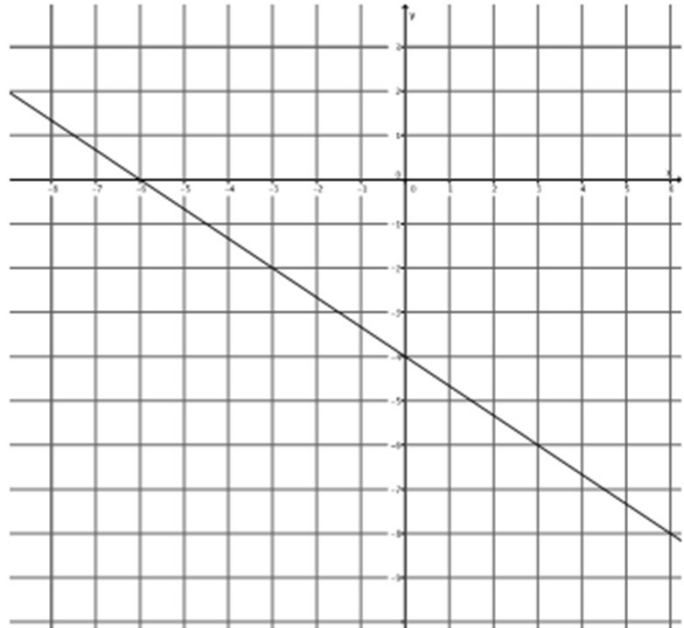Change the equation from slope-intercept form to standard form.

# Equation of a Line

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

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

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

$$y = -\frac{2}{3}x - 4$$
$$\left(y = -\frac{2}{3}x - 4\right)3$$
$$3y = -2x - 12$$
$$2x + 3y = -2x + 2x - 12$$
$$2x + 3y = -12$$

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

$$y = 8x + 1$$

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

$$y = 8x + 1$$
$$-8x + y = 8x - 8x + 1$$
$$-8x + y = 1$$
$$-1(-8x + y = 1)$$
$$8x - y = -1$$