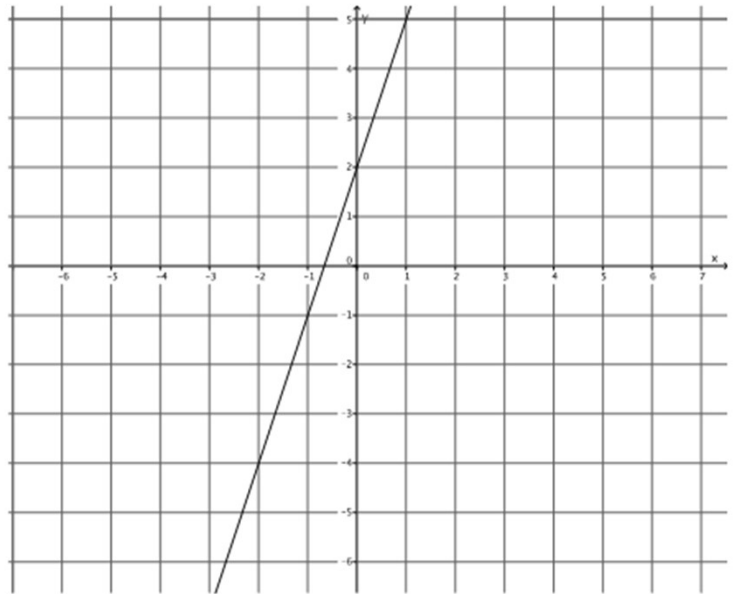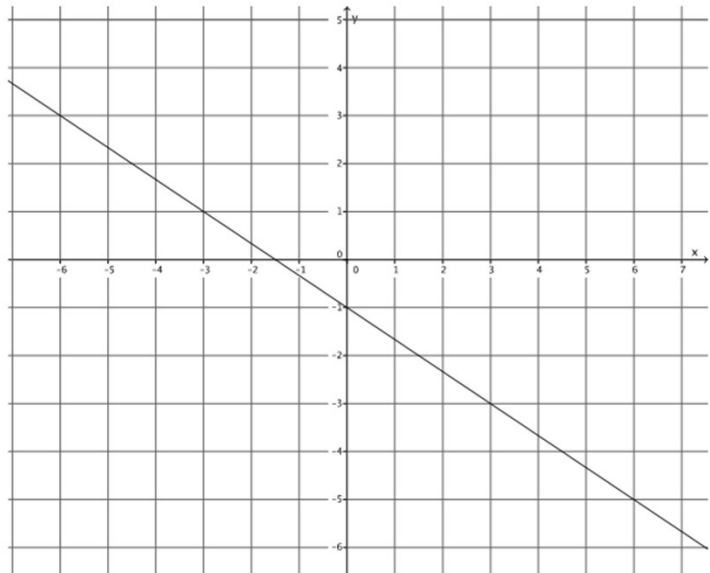# Equation of a Line

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.

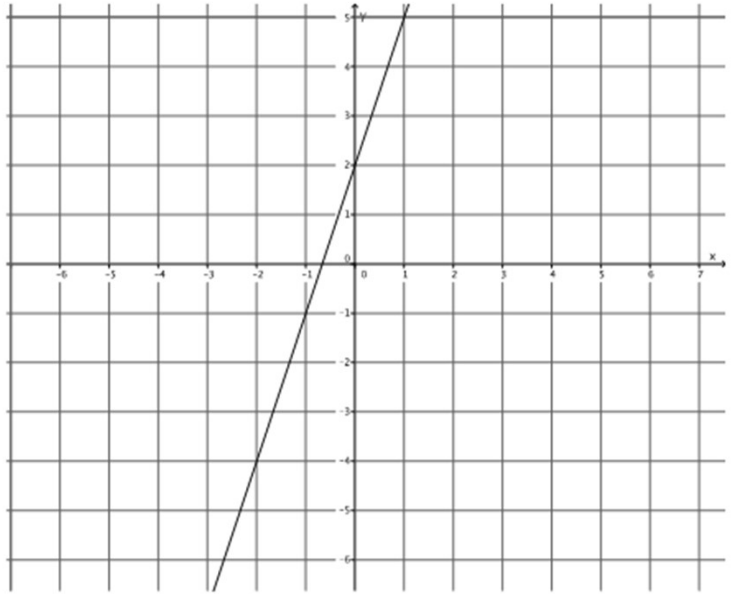Go to onlinemathlearning.com for more free math resources

Equation of a Line

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

$$y = 3x + 2$$

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

$$y = 3x + 2$$
$$-3x + y = 3x - 3x + 2$$
$$-3x + y = 2$$
$$-1(-3x + y = 2)$$
$$3x - y = -2$$

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

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

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

$$y = -\frac{2}{3}x - 1$$
$$\left(y = -\frac{2}{3}x - 1\right)3$$
$$3y = -2x - 3$$
$$2x + 3y = -2x + 2x - 3$$
$$2x + 3y = -3$$