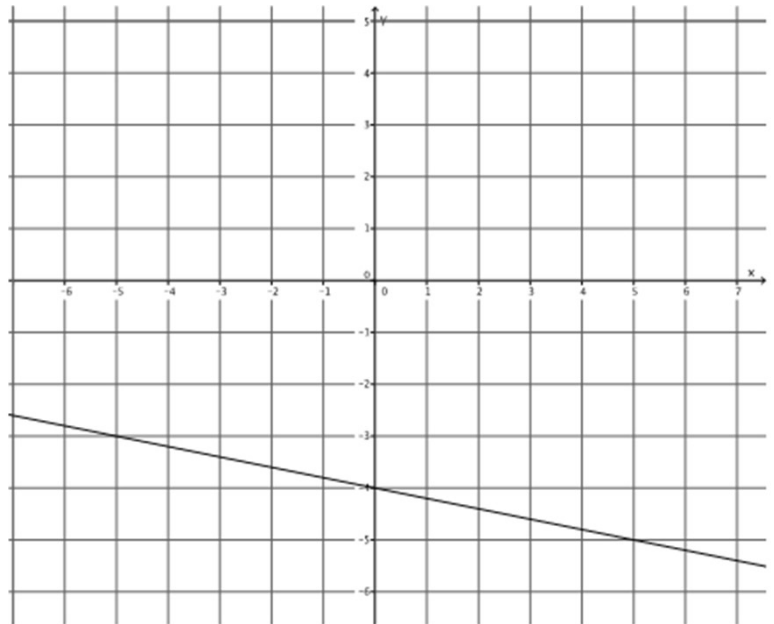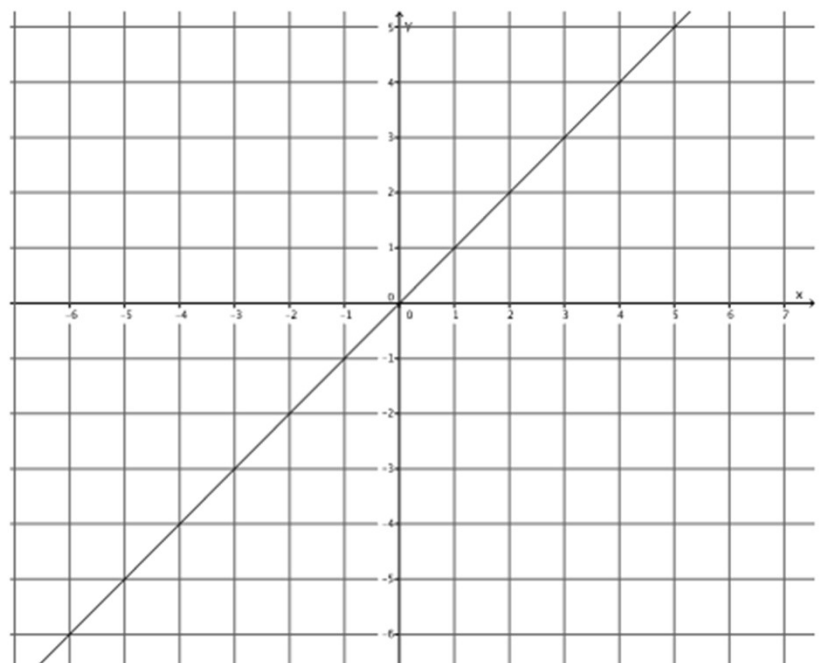# Equation of a Line

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.



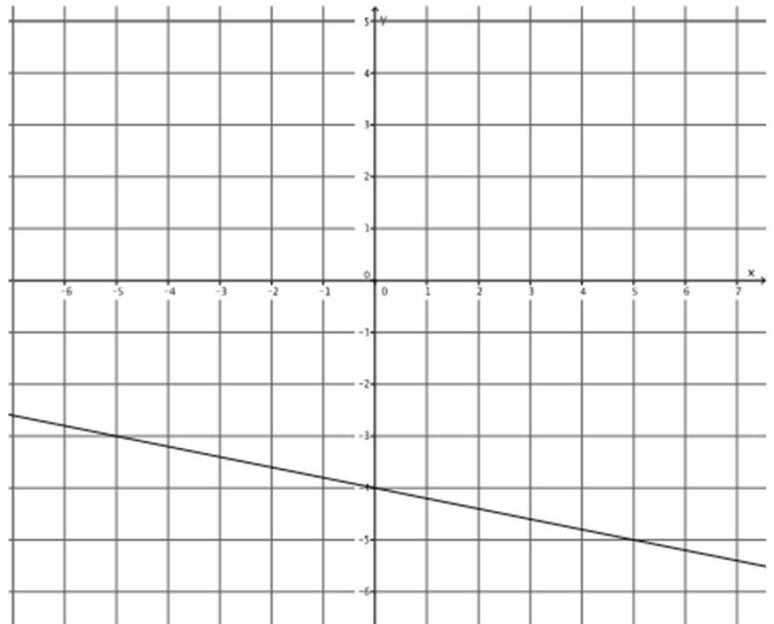Go to onlinemathlearning.com for more free math resources

# Equation of a Line

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

$$y = -\frac{1}{5}x - 4$$

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

$$y = -\frac{1}{5}x - 4$$
$$\left(y = -\frac{1}{5}x - 4\right) 5$$
$$5y = -x - 20$$
$$x + 5y = -x + x - 20$$
$$x + 5y = -20$$
$$x + 5$$

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

$$y = x$$

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

$$y = x$$
$$-x + y = x - x$$
$$-x + y = 0$$
$$-1(-x + y = 0)$$
$$x - y = 0$$