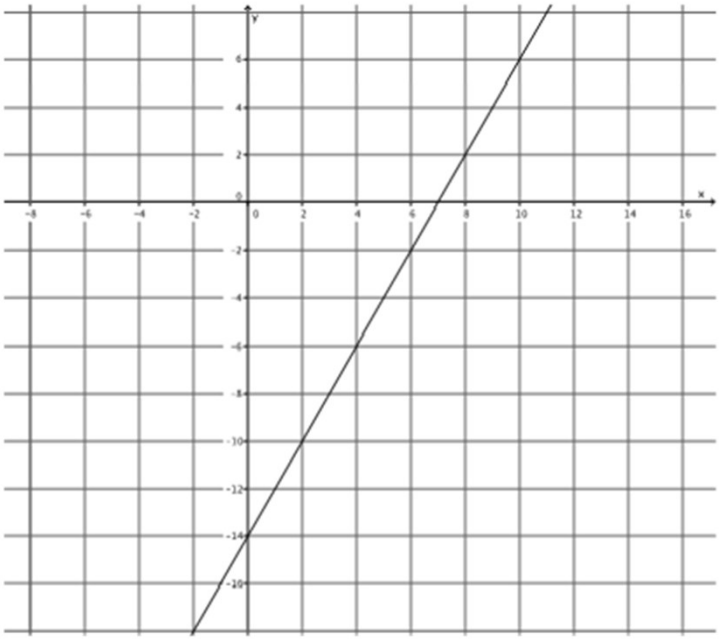
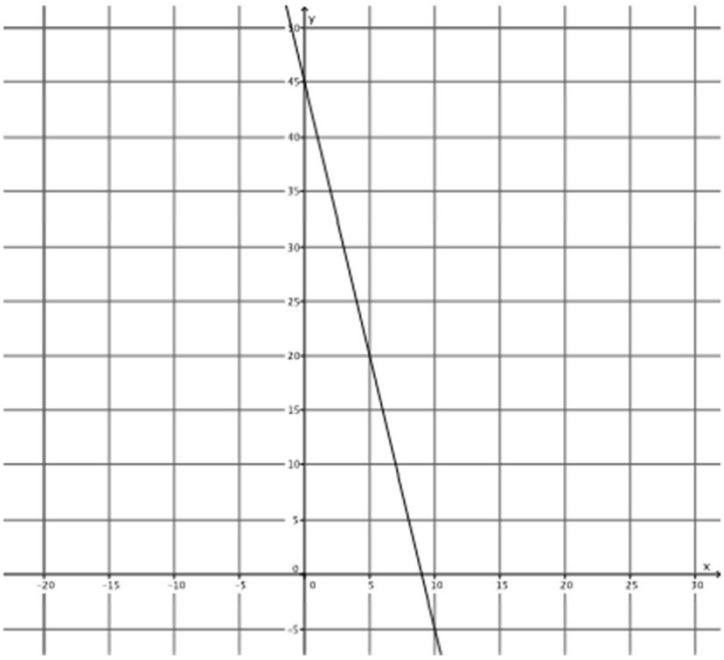
Equation of a Line

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.

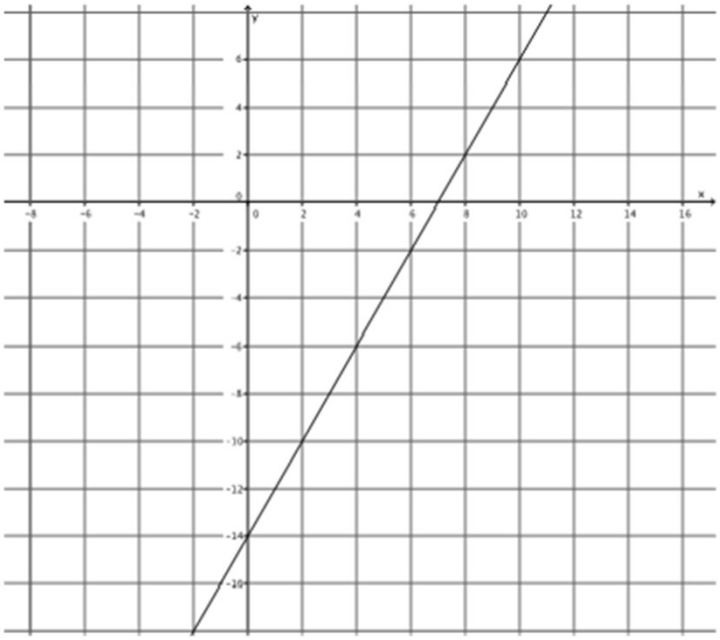


Change the equation from slope-intercept form to standard form.

Equation of a Line

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

$$y = 2x - 14$$

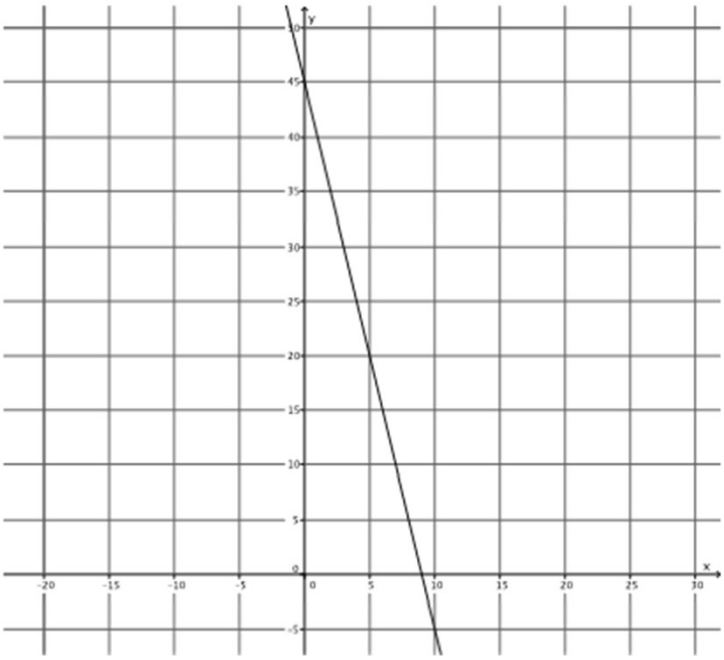


Change the equation from slope-intercept form to standard form.

$$\boldsymbol{y} = 2\boldsymbol{x} - 14$$
$$-2\boldsymbol{x} + \boldsymbol{y} = 2\boldsymbol{x} - 2\boldsymbol{x} - 14$$
$$-2\boldsymbol{x} + \boldsymbol{y} = -14$$
$$-1(-2\boldsymbol{x} + \boldsymbol{y} = -14)$$
$$2\boldsymbol{x} - \boldsymbol{y} = 14$$

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

$$y = -5x + 45$$



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

$$y = -5x + 45$$
$$5x + y = -5x + 5x + 45$$
$$5x + y = 45$$