

**Graphing Linear Equations**

NAME \_\_\_\_\_

HOUR \_\_\_\_\_ DUE DATE \_\_\_\_\_

(A) Graph each equation by finding and plotting the intercept points.

1.  $2x + 3y = 6$

$$\begin{pmatrix} \phantom{0}, 0 \\ 0, \phantom{0} \end{pmatrix}$$

2.  $x - 2y = 4$

$$\begin{pmatrix} \phantom{0}, 0 \\ 0, \phantom{0} \end{pmatrix}$$

3.  $4y = -3x + 12$

$$\begin{pmatrix} \phantom{0}, 0 \\ 0, \phantom{0} \end{pmatrix}$$

4.  $2x + 5y = 10$

$$\begin{pmatrix} \phantom{0}, 0 \\ 0, \phantom{0} \end{pmatrix}$$

5.  $y = \frac{1}{3}x + 2$

$$\begin{pmatrix} \phantom{0}, 0 \\ 0, \phantom{0} \end{pmatrix}$$

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

$$\begin{pmatrix} \phantom{0}, 0 \\ 0, \phantom{0} \end{pmatrix}$$

(B) Graph each equation by finding and plotting 3 random points.

7.  $x - 4y = -4$

$$\begin{pmatrix} \phantom{0}, \phantom{0} \\ \phantom{0}, \phantom{0} \\ \phantom{0}, \phantom{0} \end{pmatrix}$$

8.  $3x + 5y = 0$

$$\begin{pmatrix} \phantom{0}, \phantom{0} \\ \phantom{0}, \phantom{0} \\ \phantom{0}, \phantom{0} \end{pmatrix}$$

9.  $x + 2y = -5$

$$\begin{pmatrix} \phantom{0}, \phantom{0} \\ \phantom{0}, \phantom{0} \\ \phantom{0}, \phantom{0} \end{pmatrix}$$

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

$$\begin{pmatrix} \phantom{0}, \phantom{0} \\ \phantom{0}, \phantom{0} \\ \phantom{0}, \phantom{0} \end{pmatrix}$$

11.  $y = 3x$

$$\begin{pmatrix} \phantom{0}, \phantom{0} \\ \phantom{0}, \phantom{0} \\ \phantom{0}, \phantom{0} \end{pmatrix}$$

12.  $2x - 5y = 0$

$$\begin{pmatrix} \phantom{0}, \phantom{0} \\ \phantom{0}, \phantom{0} \\ \phantom{0}, \phantom{0} \end{pmatrix}$$