

Graphing Worksheet 14

1. Write the slope (m) and y -intercept (b) of the graph for each equation.

(a) $y = 5x + 2$

$$m =$$
$$b =$$

(b) $y = 2x - 7$

$$m =$$
$$b =$$

(c) $y = \frac{1}{3}x + 6$

$$m =$$
$$b =$$

(d) $y = 3x - 1$

$$m =$$
$$b =$$

(e) $y = \frac{3}{2}x + 9$

$$m =$$
$$b =$$

(f) $y = \frac{1}{5}x$

$$m =$$
$$b =$$

(g) $y = \frac{-1}{4}x + 4$

$$m =$$
$$b =$$

(h) $y = -2x + 6$

$$m =$$
$$b =$$

(i) $y = -9x$

$$m =$$
$$b =$$

(j) $y = \frac{3}{4}x - 5$

$$m =$$
$$b =$$

(k) $y = x + 1$

$$m =$$
$$b =$$

(l) $y = -x + 2$

$$m =$$
$$b =$$

2. Solve each equation for y . Then write the slope (m) and y -intercept (b) of the graph.

(a) $5x + 2y = 12$

$$m =$$
$$b =$$

(b) $6x + 2y = 10$

$$m =$$
$$b =$$

(c) $4y - 3x = 20$

$$m =$$
$$b =$$

(d) $x + y = 8$

$$m =$$
$$b =$$

(e) $x - 2y = 6$

$$m =$$
$$b =$$

(f) $x + 3y = 15$

$$m =$$
$$b =$$

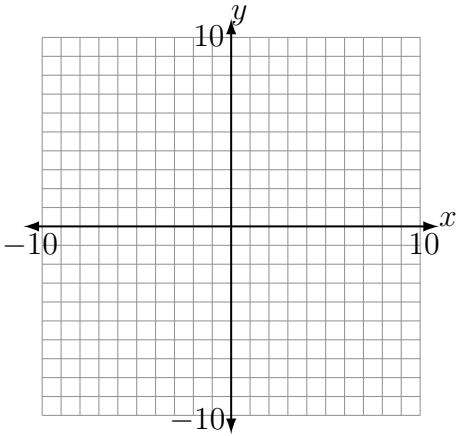
3. Solve each equation for y . Then write the slope (m) and y -intercept (b). Finally, use these pieces of information to graph the equation.

(a) $2x + 3y = 12$

(b) $5x - 2y = 8$

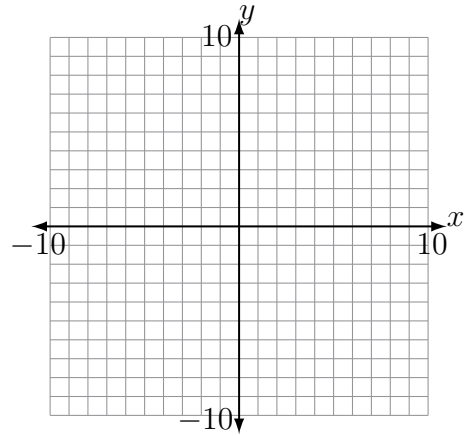
$m =$

$b =$



$m =$

$b =$

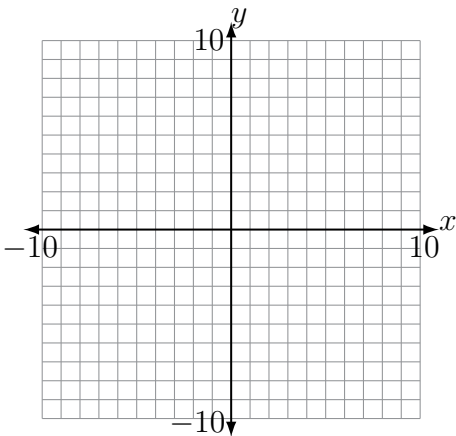


(c) $3x - y = 2$

(d) $x - 4y = -24$

$m =$

$b =$



$m =$

$b =$

