

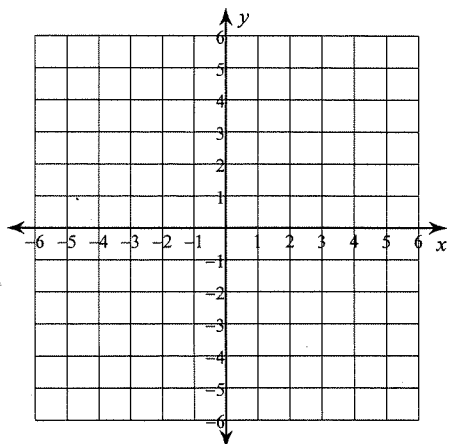
Write the slope-intercept form of the equation of the line described. remember, parallel lines have the same slope! First, find the slope from the given line.

11) through: $(0, -1)$, parallel to $y = -3x + 4$

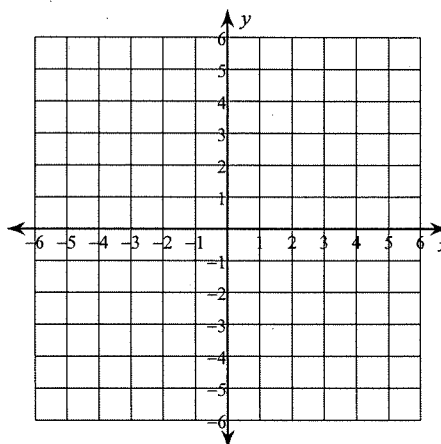
12) through: $(0, 5)$, parallel to $y = \frac{1}{2}x$

Sketch the graph of each line.

13) $-y + 1 = x$

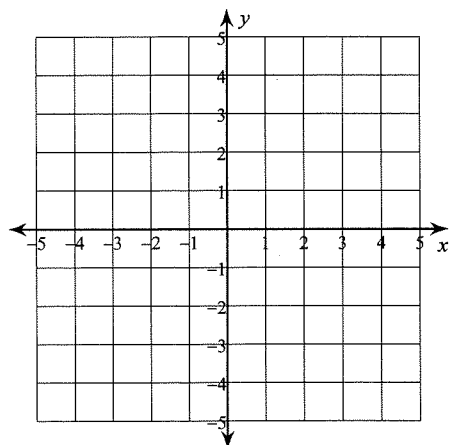


14) $5y - 4x = -5$

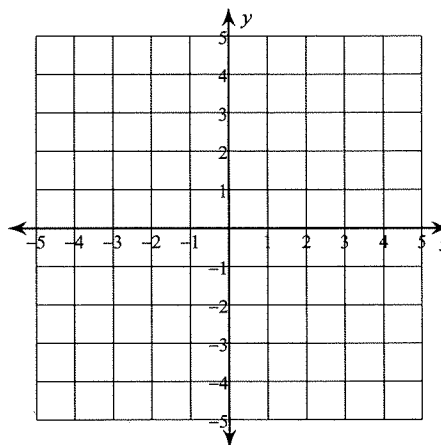


Solve each system by graphing.

15) $8 - 2y = -7x$
 $-4y = -16 - 14x$



16) $3x - 6y = 6$
 $-3x + 6y = 12$

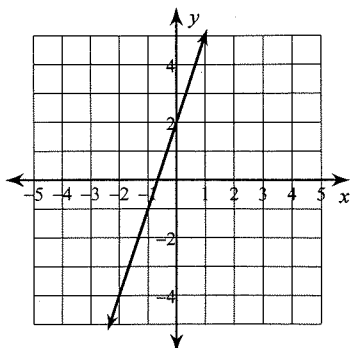


HW 41

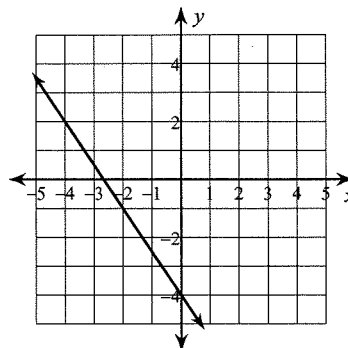
Date _____ Period _____

Write the slope-intercept form of the equation of each line.

1)



2)



Write the slope-intercept form of the equation of each line given the slope and y-intercept.

3) Slope = $-\frac{4}{5}$, y-intercept = 1

4) Slope = $\frac{8}{5}$, y-intercept = 3

Write the slope-intercept form of the equation of the line through the given point with the given slope.

5) through: $(0, 5)$, slope = $-\frac{8}{3}$

6) through: $(0, -2)$, slope = $\frac{4}{5}$

Write the slope-intercept form of the equation of the line through the given points. First find the slope and identify the y-intercept.

7) through: $(-5, 4)$ and $(0, -2)$

8) through: $(-1, -5)$ and $(0, 4)$

9) through: $(0, -4)$ and $(5, -5)$

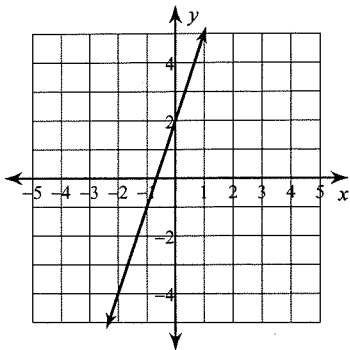
10) through: $(-4, -5)$ and $(0, 5)$

HW 41

Date _____ Period _____

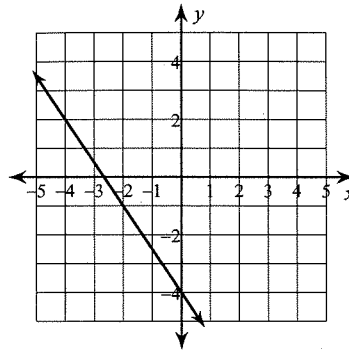
Write the slope-intercept form of the equation of each line.

1)



$$y = 3x + 2$$

2)



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

Write the slope-intercept form of the equation of each line given the slope and y-intercept.

3) Slope = $-\frac{4}{5}$, y-intercept = 1

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

4) Slope = $\frac{8}{5}$, y-intercept = 3

$$y = \frac{8}{5}x + 3$$

Write the slope-intercept form of the equation of the line through the given point with the given slope.

5) through: $(0, 5)$, slope = $-\frac{8}{3}$

$$y = -\frac{8}{3}x + 5$$

6) through: $(0, -2)$, slope = $\frac{4}{5}$

$$y = \frac{4}{5}x - 2$$

Write the slope-intercept form of the equation of the line through the given points. First find the slope and identify the y-intercept.

7) through: $(-5, 4)$ and $(0, -2)$

$$y = -\frac{6}{5}x - 2$$

8) through: $(-1, -5)$ and $(0, 4)$

$$y = 9x + 4$$

9) through: $(0, -4)$ and $(5, -5)$

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

10) through: $(-4, -5)$ and $(0, 5)$

$$y = \frac{5}{2}x + 5$$

Write the slope-intercept form of the equation of the line described. remember, parallel lines have the same slope! First, find the slope from the given line.

11) through: $(0, -1)$, parallel to $y = -3x + 4$

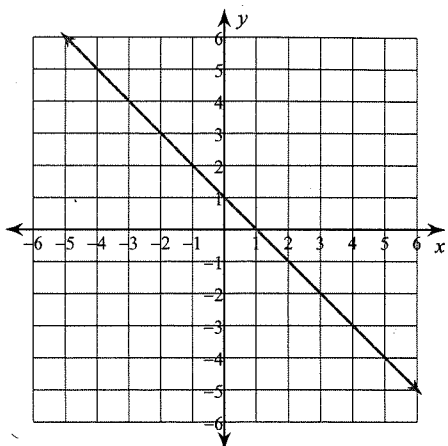
$$y = -3x - 1$$

12) through: $(0, 5)$, parallel to $y = \frac{1}{2}x$

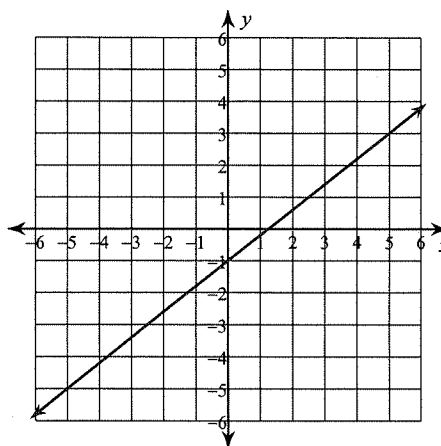
$$y = \frac{1}{2}x + 5$$

Sketch the graph of each line.

13) $-y + 1 = x$

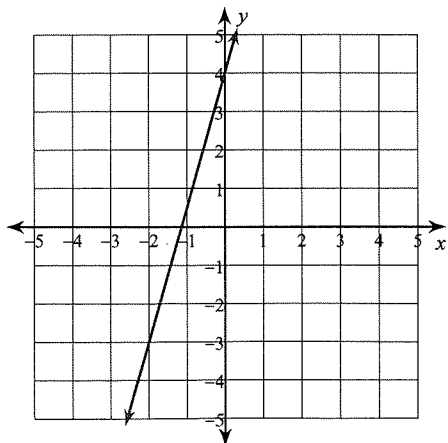


14) $5y - 4x = -5$



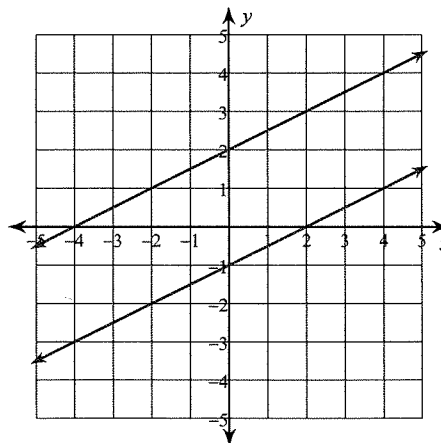
Solve each system by graphing.

15) $8 - 2y = -7x$
 $-4y = -16 - 14x$



Infinite number of solutions

16) $3x - 6y = 6$
 $-3x + 6y = 12$



No solution