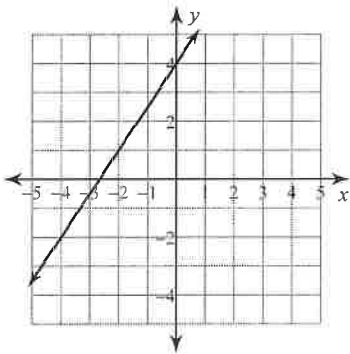


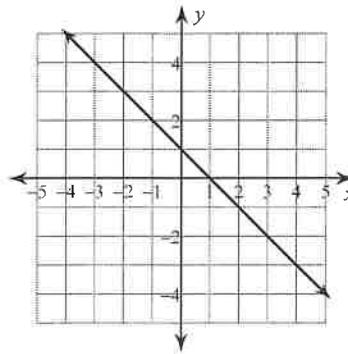
Worksheet 1.3C

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

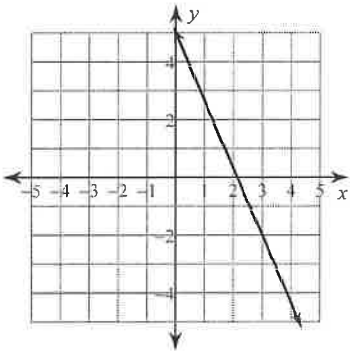
1)



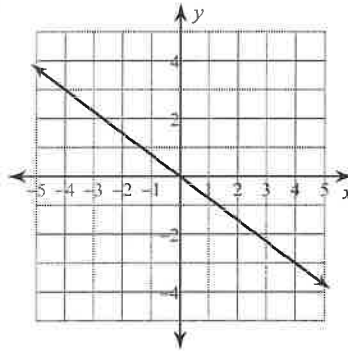
2)



3)



4)



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

5) Slope = 6, y-intercept = 2

6) Slope = 8, y-intercept = -4

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

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

8) through: (4, -4) and (3, 4)

9) through: (2, -4) and (1, 5)

10) through: (0, -2) and (-1, -5)

Solve each system by substitution.

$$\begin{aligned} 11) \quad & x - 4y = 14 \\ & -5x + 6y = -14 \end{aligned}$$

$$\begin{aligned} 12) \quad & 4x + y = -23 \\ & 2x + 8y = -4 \end{aligned}$$

$$\begin{aligned} 13) \quad & -3x - 3y = 15 \\ & y = -1 \end{aligned}$$

$$\begin{aligned} 14) \quad & y = 2 \\ & -3x - 5y = -7 \end{aligned}$$

$$\begin{aligned} 15) \quad & -8x - 6y = -22 \\ & -x + y = -1 \end{aligned}$$

$$\begin{aligned} 16) \quad & x - 3y = 16 \\ & -6x + 3y = -6 \end{aligned}$$

Solve each system by elimination.

$$\begin{aligned} 17) \quad & -9x - 5y = 30 \\ & 18x - 4y = 24 \end{aligned}$$

$$\begin{aligned} 18) \quad & 2x + 3y = 18 \\ & -6x + y = 26 \end{aligned}$$

$$\begin{aligned} 19) \quad & -8x + 9y = 17 \\ & x - y = -3 \end{aligned}$$

$$\begin{aligned} 20) \quad & 8x - 9y = 13 \\ & 2x - 2y = 4 \end{aligned}$$

$$\begin{aligned} 21) \quad & -x + y = 0 \\ & -4x - 5y = -9 \end{aligned}$$

$$\begin{aligned} 22) \quad & -4x - 3y = -16 \\ & 5x + 12y = -13 \end{aligned}$$

$$\begin{aligned} 23) \quad & x - 9y = 26 \\ & -2x - 3y = 11 \end{aligned}$$

$$\begin{aligned} 24) \quad & -x - 6y = -25 \\ & -3x - 3y = -30 \end{aligned}$$

$$\begin{aligned} 25) \quad & 6x + 4y = 20 \\ & -2x + 5y = 25 \end{aligned}$$

$$\begin{aligned} 26) \quad & x + 3y = 6 \\ & 8x + 12y = 24 \end{aligned}$$

$$\begin{aligned} 27) \quad & 18x - 5y = 22 \\ & -9x + y = -26 \end{aligned}$$

$$\begin{aligned} 28) \quad & 8x - 4y = -24 \\ & -7x - 12y = -10 \end{aligned}$$