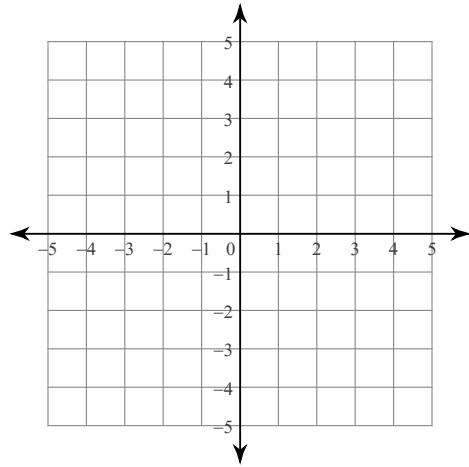


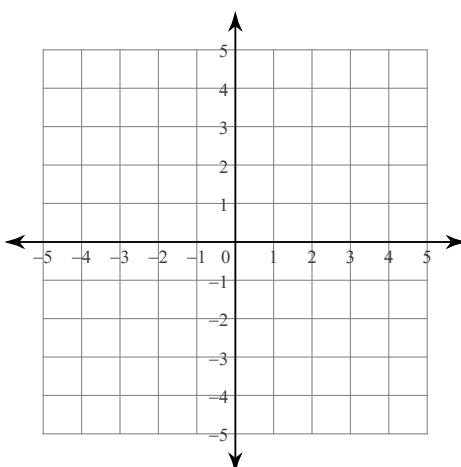
Corrective Assignment 8.4 Special Systems

Solve each system by graphing.

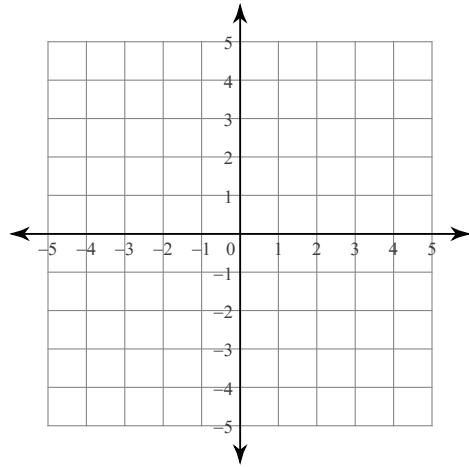
1) $y = -x + 1$
 $x = -2$



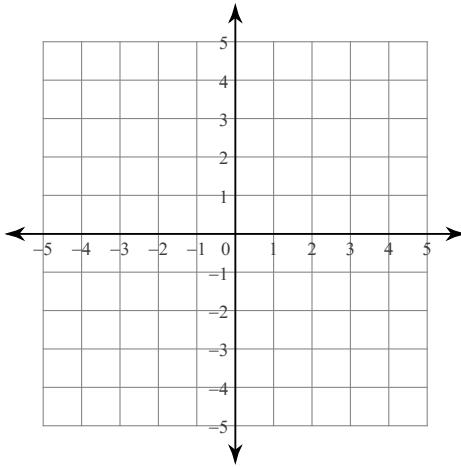
2) $y = \frac{3}{2}x - 1$
 $y = \frac{3}{2}x - 2$



3) $3x - y = 1$
 $3x - y = -4$



4) $x + 2y = 6$
 $x + 2y = -2$



Solve each system by elimination.

$$5) \begin{aligned} -4x + 10y &= 18 \\ 2x - 5y &= -11 \end{aligned}$$

$$6) \begin{aligned} 6x - 14y &= -6 \\ -3x + 7y &= -1 \end{aligned}$$

$$7) \begin{aligned} -2x - 5y &= 11 \\ 6x - 6y &= -12 \end{aligned}$$

$$8) \begin{aligned} 4x + 5y &= 9 \\ -8x - 10y &= -18 \end{aligned}$$

Solve each system by substitution.

$$9) \begin{aligned} -12x + 3y &= -3 \\ y &= 4x - 1 \end{aligned}$$

$$10) \begin{aligned} -24x - 3y &= -18 \\ y &= -8x + 6 \end{aligned}$$

$$11) \begin{aligned} 2x + 4y &= 8 \\ y &= 3x - 19 \end{aligned}$$

$$12) \begin{aligned} -10x - 2y &= -1 \\ y &= -5x + 2 \end{aligned}$$

Answers to Corrective Assignment 8.4 Special Systems

- | | | | |
|---------------------------------|---------------------------------|----------------|----------------------------------|
| 1) $(-2, 3)$ | 2) No solution | 3) No solution | 4) No solution |
| 5) No solution | 6) No solution | 7) $(-3, -1)$ | |
| 8) Infinite number of solutions | 9) Infinite number of solutions | | 10) Infinite number of solutions |
| 11) $(6, -1)$ | 12) No solution | | |