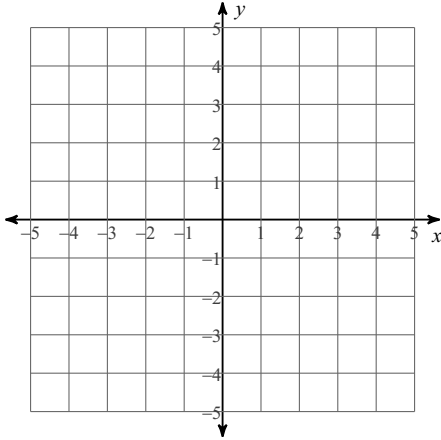
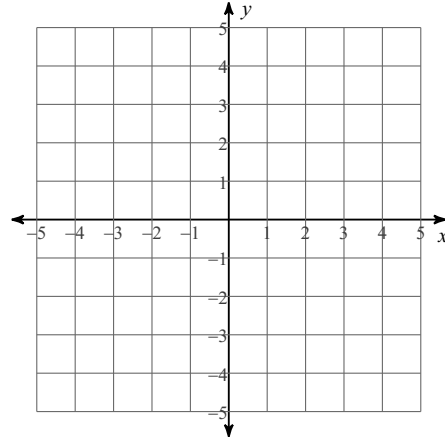


**Solve each system by graphing.**

$$1) \begin{cases} y = -x + 4 \\ y = \frac{3}{2}x - 1 \end{cases}$$



$$2) \begin{cases} y = -\frac{1}{2}x - 2 \\ y = -3x + 3 \end{cases}$$

**Solve each system by substitution.**

$$3) \begin{cases} y = 6x + 1 \\ y = 3x + 4 \end{cases}$$

$$4) \begin{cases} y = 3x - 16 \\ y = -7 \end{cases}$$

$$5) \begin{cases} y = -4x \\ 3x + 4y = -13 \end{cases}$$

$$6) \begin{cases} y = x + 8 \\ 5x + 3y = 0 \end{cases}$$

**Solve each system by elimination.**

$$7) \begin{cases} 3x + 10y = -26 \\ -7x - 10y = -6 \end{cases}$$

$$8) \begin{cases} -7x + 8y = -21 \\ -7x + 8y = -21 \end{cases}$$

$$9) \begin{cases} -10x - y = -12 \\ -20x - 2y = -6 \end{cases}$$

$$10) \begin{cases} 6x + 3y = 9 \\ 12x + 8y = 0 \end{cases}$$

$$11) \begin{cases} -4x + 2y = -22 \\ -10x - 9y = 15 \end{cases}$$

$$12) \begin{cases} 12x + 24y = 24 \\ 9x + 18y = 18 \end{cases}$$

## Answers to (ID: 1)

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