

**LESSON**  
**6-1**

**Practice C**  
**Solving Systems by Graphing**

Tell whether the ordered pair is a solution of the given equation.

1.  $(6, -2)$ ;  $\begin{cases} 2x - y = 14 \\ x + 4y = -2 \end{cases}$

2.  $(4, 0)$ ;  $\begin{cases} x - 2y = 4 \\ -x + y = -8 \end{cases}$

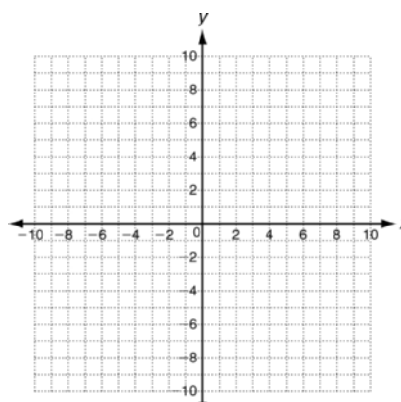
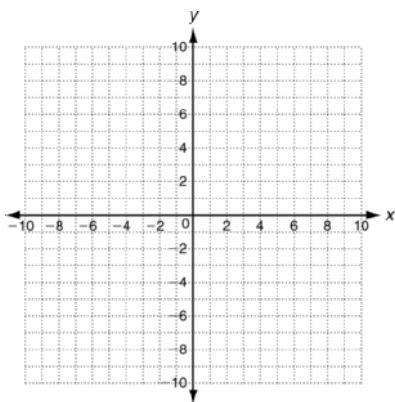
3.  $(-6, -2)$ ;  $\begin{cases} 2x - y = -10 \\ -x + y = 4 \end{cases}$

\_\_\_\_\_

Solve each system by graphing.

4.  $\begin{cases} y = 2x + 4 \\ y = -x + 7 \end{cases}$

5.  $\begin{cases} y = 2x - 6 \\ y = 3x - 8 \end{cases}$

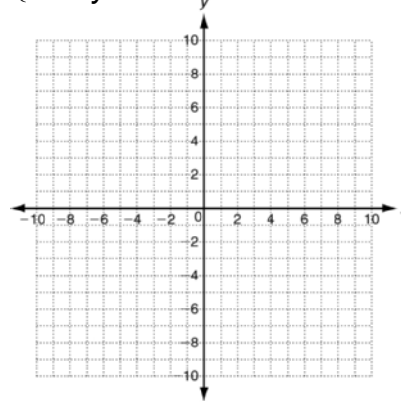
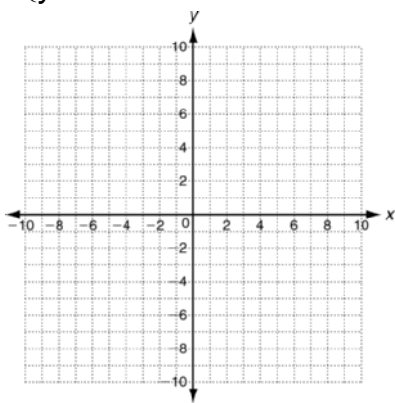


Solution: \_\_\_\_\_

Solution: \_\_\_\_\_

6.  $\begin{cases} x + y = -2 \\ y = 4x - 7 \end{cases}$

7.  $\begin{cases} x = y + 2 \\ 2x = y \end{cases}$



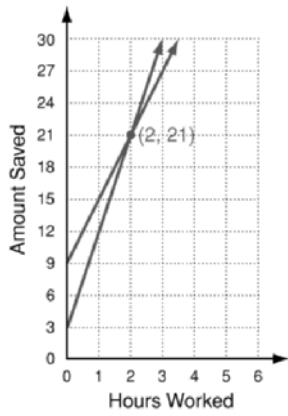
Solution: \_\_\_\_\_

Solution: \_\_\_\_\_

Use a graphing calculator to solve.

8. To sell an item in an online auction, WebAuctions charges a \$5 listing fee plus 10% of the final selling price. AuctionsOnline charges a \$3 listing fee plus 15% of the final selling price. For what final selling price do both companies charge the same amount? What will that amount be? \_\_\_\_\_

5.



2 hours; \$21

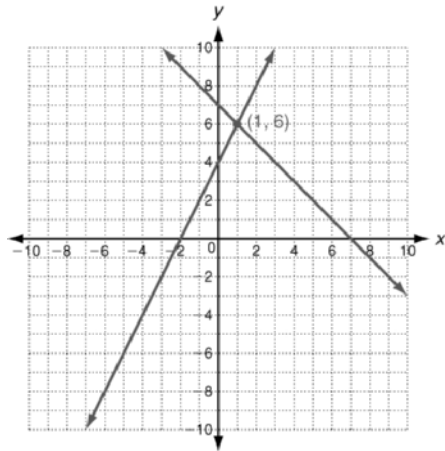
**Practice C**

1. yes

2. no

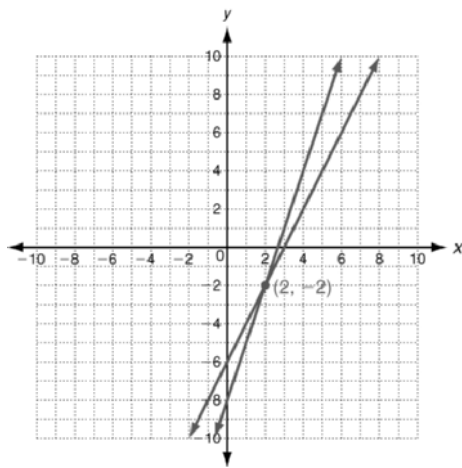
3. yes

4.



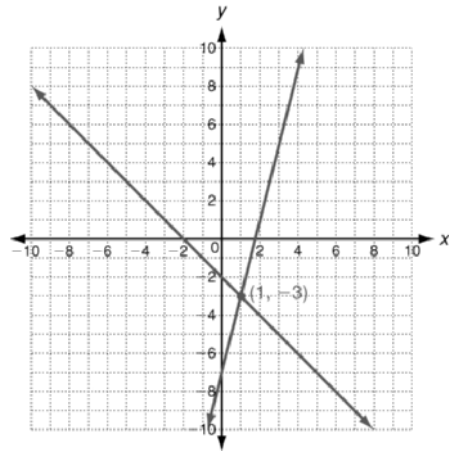
(1, 6)

5.



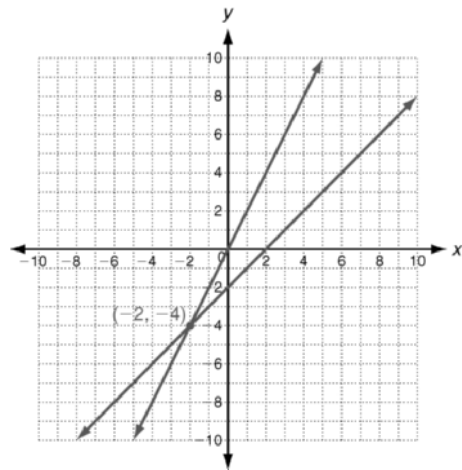
(2, -2)

6.



(1, -3)

7.



(-2, -4)

8. \$40; \$9

**Review for Mastery**

1. yes

2. no

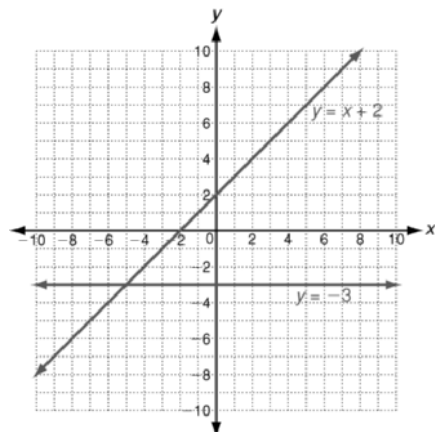
3. no

4. yes

5. (-1, 3)

6. (2, -3)

7.



(-5, -3)