

3.3 Graphing Systems of Equations

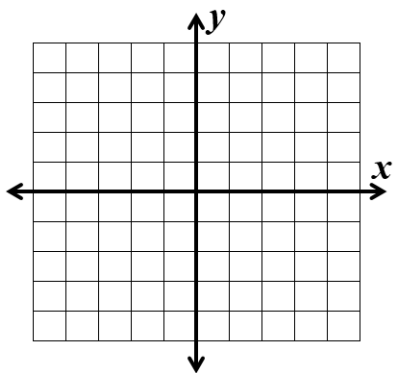
Algebra 1

Name: _____

CA #2

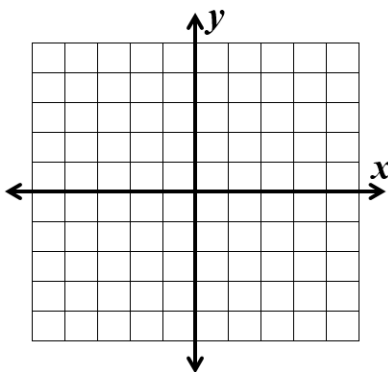
Solve each system of equations by graphing.

1.
$$\begin{cases} y = \frac{5}{3}x - 4 \\ y = -\frac{1}{3}x + 2 \end{cases}$$



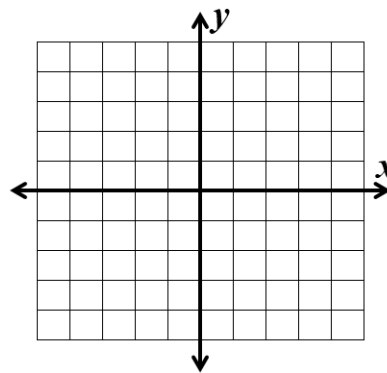
Answer: _____

2.
$$\begin{cases} y = -\frac{5}{2}x + 4 \\ y = \frac{3}{2}x - 4 \end{cases}$$



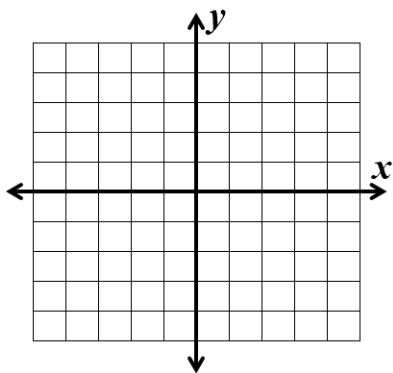
Answer: _____

3.
$$\begin{cases} y = \frac{2}{3}x - 2 \\ y = -4 \end{cases}$$



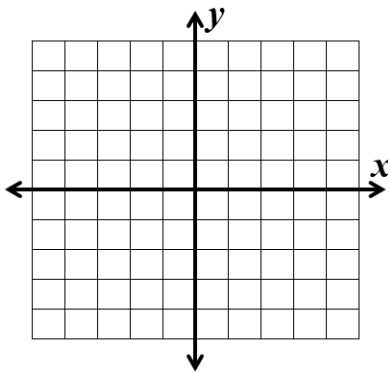
Answer: _____

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



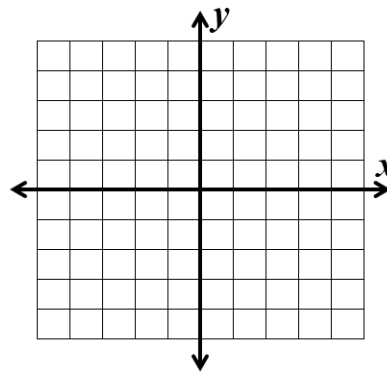
Answer: _____

5.
$$\begin{cases} x - y = 4 \\ 7x + y = 4 \end{cases}$$



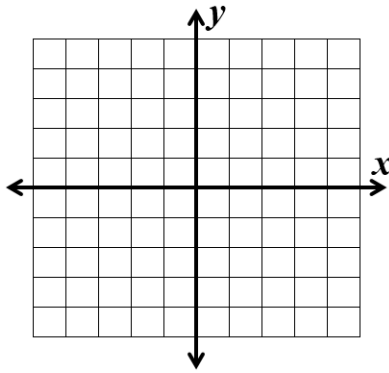
Answer: _____

6.
$$\begin{cases} 3x + 4y = 16 \\ 8y = -6x + 32 \end{cases}$$



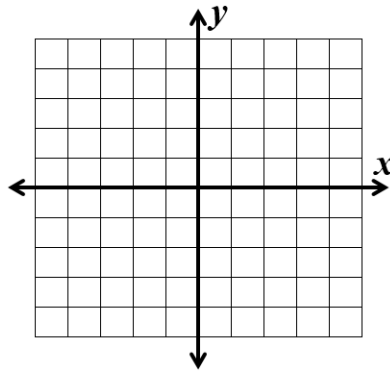
Answer: _____

$$7. \begin{cases} x - 2y = 8 \\ x + 4y = -4 \end{cases}$$



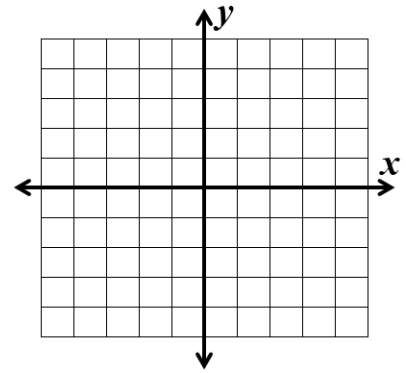
Answer: _____

$$8. \begin{cases} 2x = y + 2 \\ y - 2x = 2 \end{cases}$$



Answer: _____

$$9. \begin{cases} 6x - y = 2 \\ x = 1 \end{cases}$$



Answer: _____

Use a graphing calculator to solve the following systems. Round your answer to two decimal places.

$$10. \begin{cases} y = x - 8 \\ y = -2x - 4 \end{cases}$$

Answer: _____

$$11. \begin{cases} y = \frac{10}{7}x - 7 \\ y = -\frac{6}{7}x + 8 \end{cases}$$

Answer: _____

$$12. \begin{cases} 9x + y = -7 \\ x - y = -2 \end{cases}$$

Answer: _____

$$13. \begin{cases} 5x - 7y = 28 \\ 4x + 6y = 30 \end{cases}$$

Answer: _____

Answers to 3.3 CA #2

1. (3, 1)	2. (2, -1)	3. (-3, -4)	4. No Solution	5. (1, -3)
6. Infinite Solutions	7. (4, -2)	8. No Solution	9. (1, 4)	10. (1.33, -6.67)
11. (6.56, 2.38)	12. (-0.9, 1.1)	13. (6.52, 0.66)		