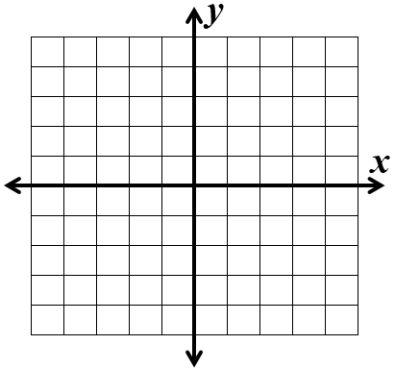
3.3 Graphing Systems of Equations

Algebra 1 Name: _____ **CA #1**

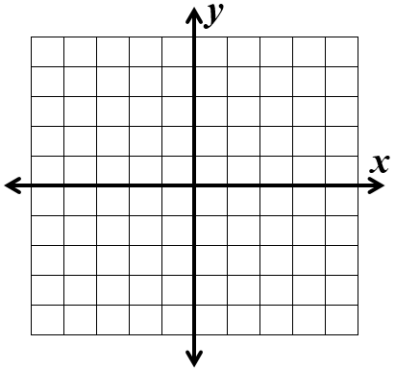
Solve each system of equations by graphing.

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



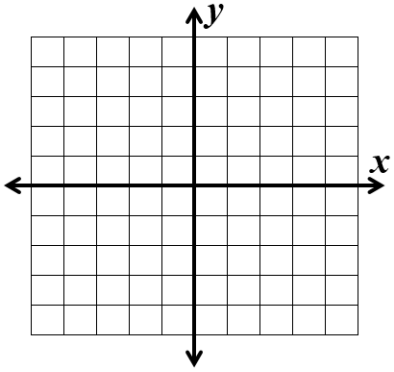
Answer: _____

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



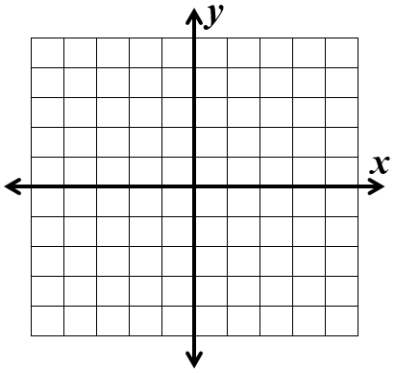
Answer: _____

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



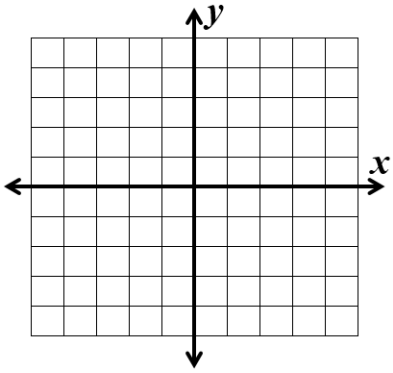
Answer: _____

4. $\begin{cases} 2x + 3y = 12 \\ x - y = 1 \end{cases}$



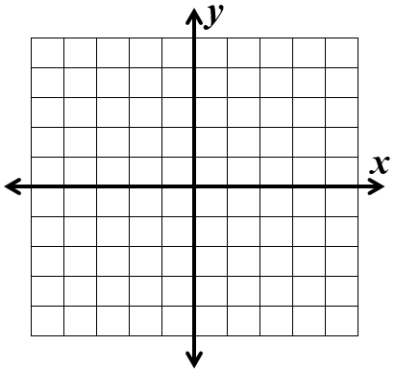
Answer: _____

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



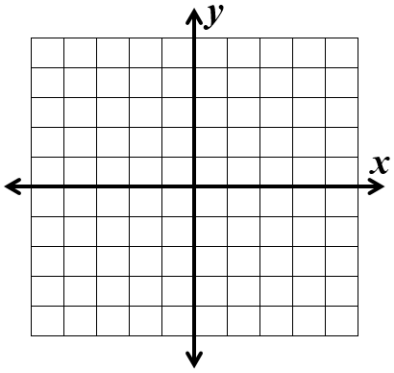
Answer: _____

6. $\begin{cases} 2x - y = 4 \\ 3y - 6x = -12 \end{cases}$



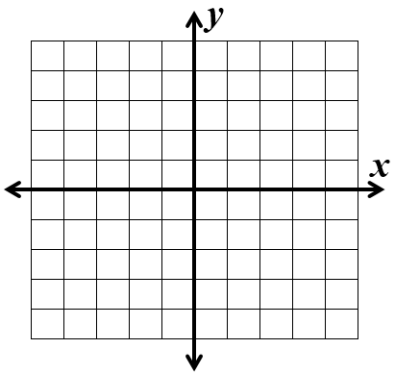
Answer: _____

7. $\begin{cases} 5x - 3y = -3 \\ 10x - 6y = 6 \end{cases}$



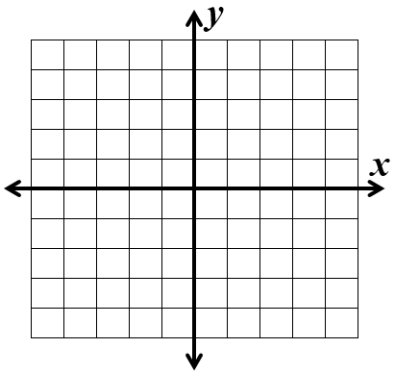
Answer: _____

8. $\begin{cases} 2x - 3y = 9 \\ 5x + 3y = 12 \end{cases}$



Answer: _____

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



Answer: _____

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

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

Answer: _____

11. $\begin{cases} y = \frac{10}{7}x + 5 \\ y = -\frac{4}{7}x - 8 \end{cases}$

Answer: _____

12. $\begin{cases} 5x + 4y = -8 \\ 3x - 2y = -10 \end{cases}$

Answer: _____

13. $\begin{cases} 11x + 8y = -64 \\ 2x + 8y = 16 \end{cases}$

Answer: _____

Answers to 3.3 CA #1

1. $(-1, 3)$	2. No Solution	3. $(-4, -5)$	4. $(3, 2)$	5. $(1, -2)$
6. Infinite Solutions	7. No Solution	8. $(3, -1)$	9. $(1, -3)$	10. $(0.88, 1.25)$
11. $(-6.5, -4.29)$	12. $(-2.55, 1.18)$	13. $(-8.89, 4.22)$		