Day 1 – Graphing Systems   **Name:** _____
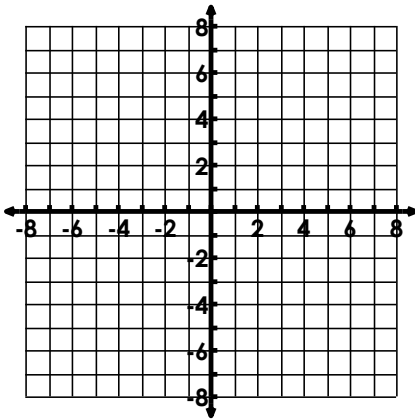
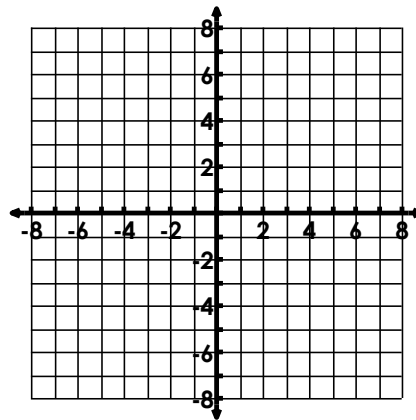**Practice Assignment**   **Date:** _____ **Block:** _____

Directions: Find the solution to each systems of equations. Use the graphing calculator to check your work. If there is *no solution* or *infinitely many*, explain why.
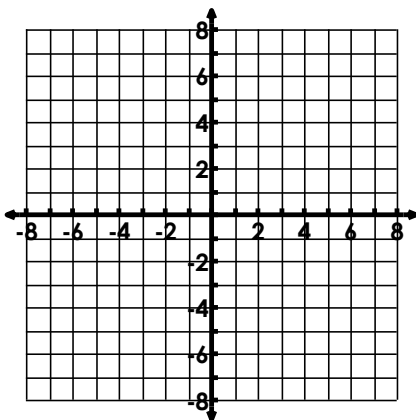
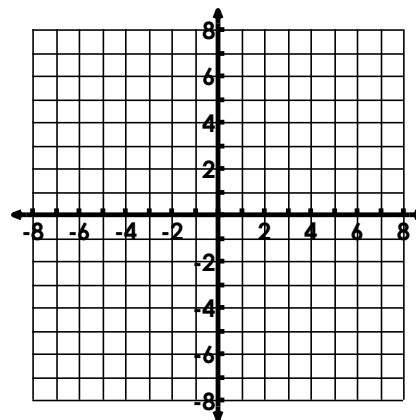**1)** $\begin{cases} y = x + 3 \\ y = -2x + 3 \end{cases}$

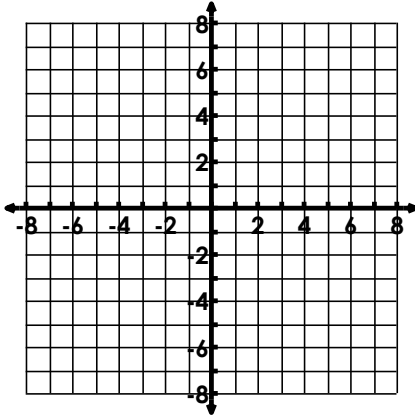**2)** $\begin{cases} y = x + 2 \\ y = 4x - 1 \end{cases}$

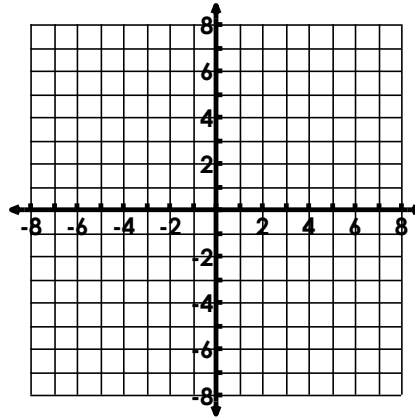**3)** $\begin{cases} 3x + y = -6 \\ -2x + y = -1 \end{cases}$

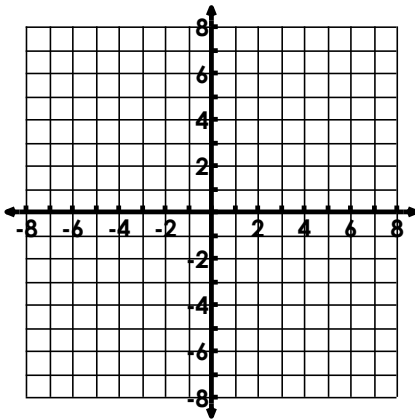**4)** $\begin{cases} y = 2x + 8 \\ -2x + 3y = 12 \end{cases}$
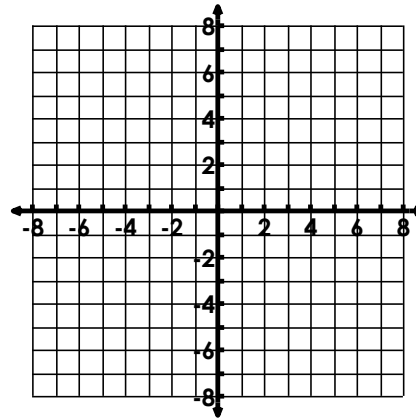
5) $\begin{cases} x = 5 \\ y = 2 \end{cases}$

6) $\begin{cases} y = 2x - 2 \\ y = 2x + 5 \end{cases}$

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

8) $\begin{cases} 2 + y = 2x \\ y - 2x = 5 \end{cases}$

Complete the tables. Then determine the solution to the systems of equations.

9)

x	y = x + 3	y = 2x
1		
2		
3		
4		

10)

x	$y = \frac{1}{2}x + 2$	y = x + 4
−6		
−4		
−2		
0		