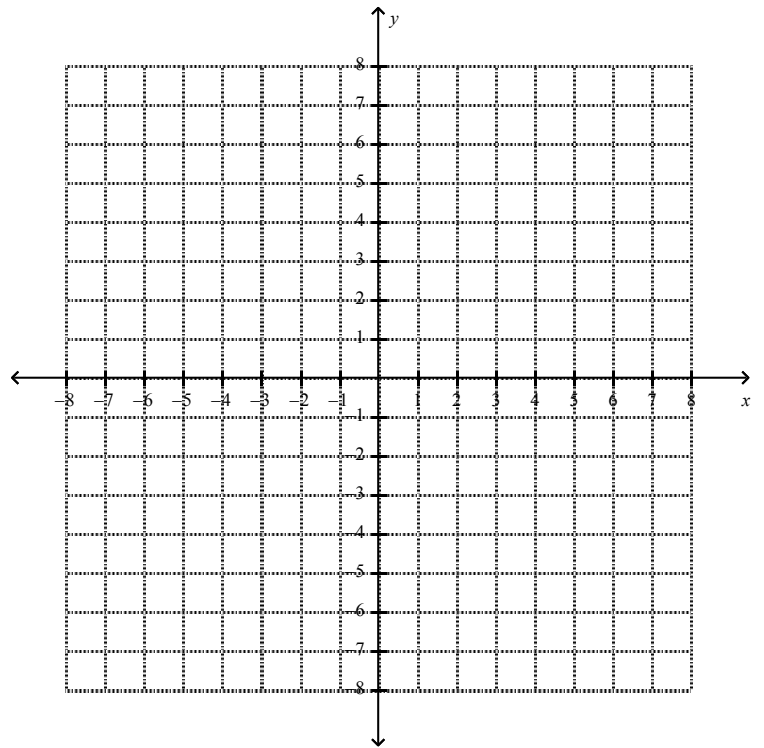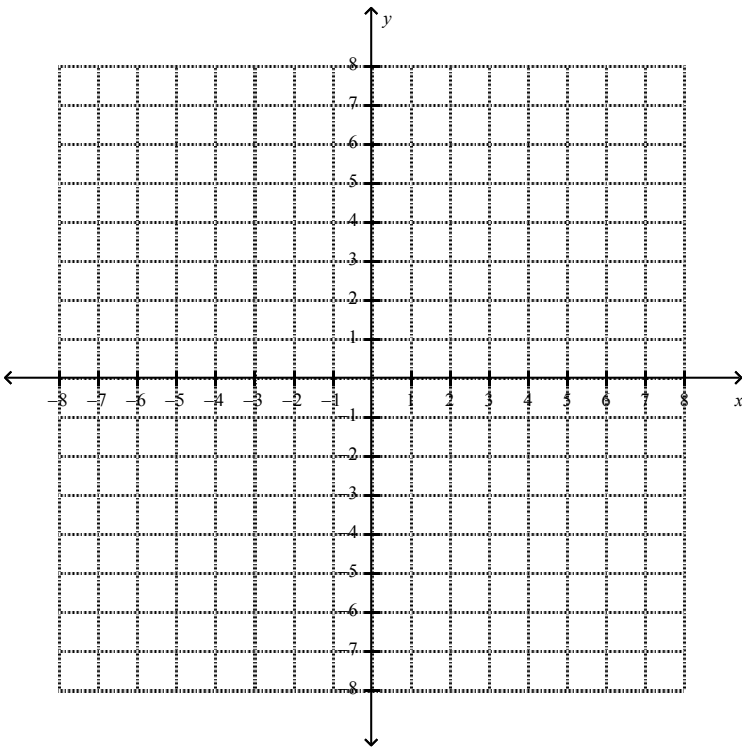**Name:** _____   **Class:** _____
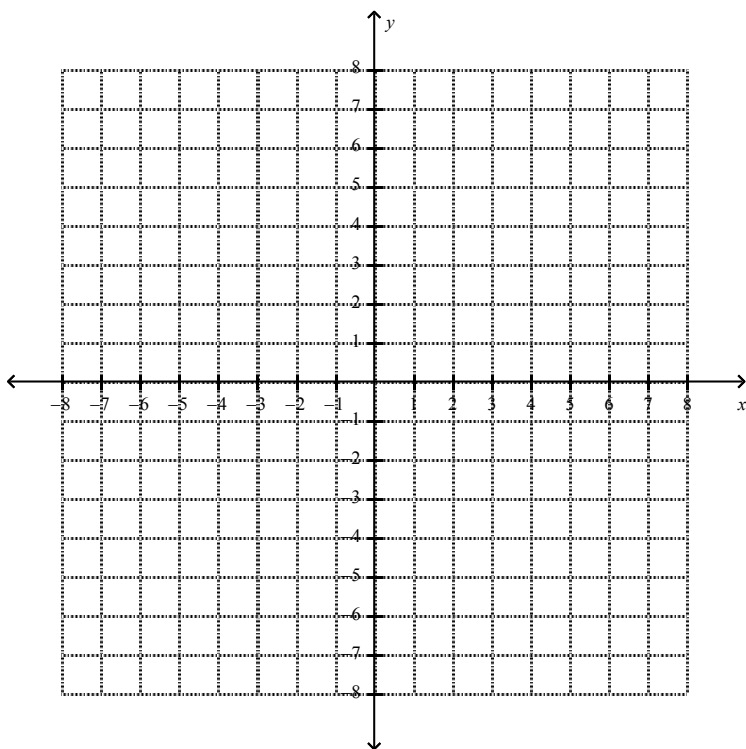
HW #2 – Graphing Systems   **Date:** _____

Graph the two linear equations and find the solution.

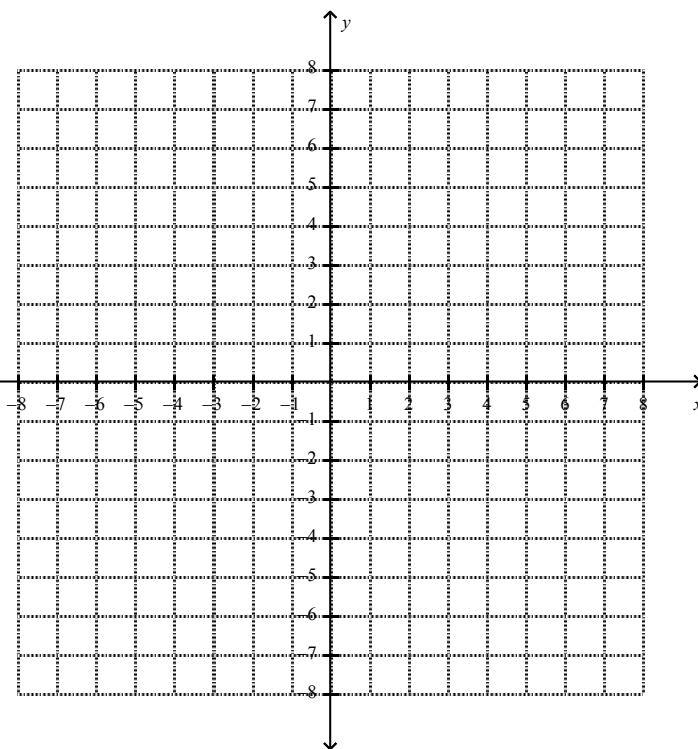1. $\begin{cases} y = -x + 2 \\ -x + y = -2 \end{cases}$

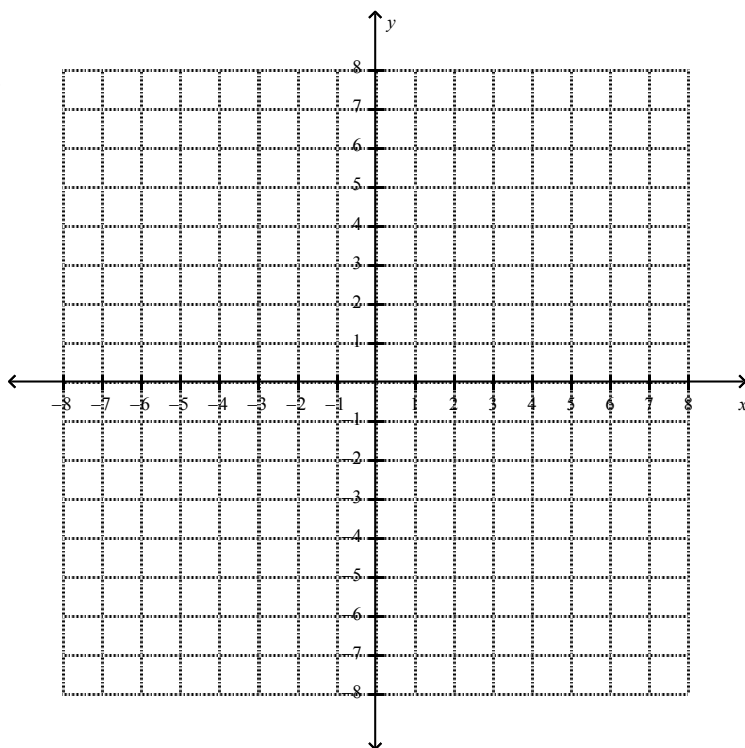2. $\begin{cases} y = -\dfrac{1}{4}x - 1 \\ y - 2 = \dfrac{1}{2}x \end{cases}$

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

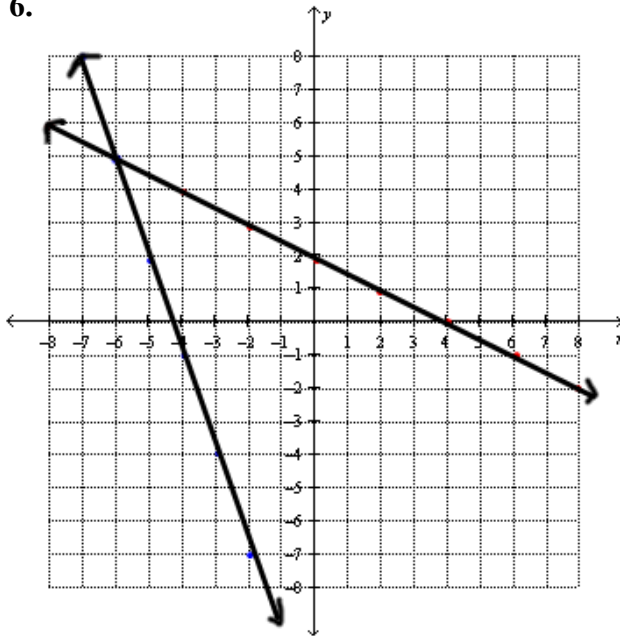**4.** $\begin{cases} y - 4 = 2x \\ y - 2x = 4 \end{cases}$

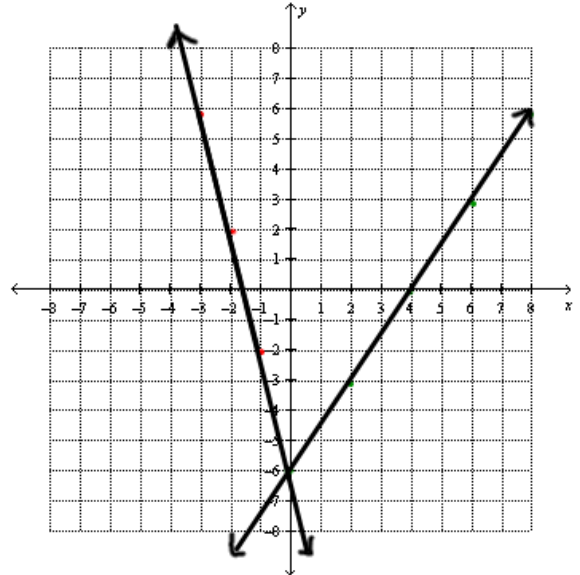**5.** $\begin{cases} 2 + y = 2x \\ y - 2x = 5 \end{cases}$

2

Find the solution to the given systems.

6.

7.

Spiral – Show all work:
Solve the following equations:

8. $7k - 8 + 2(k + 12) = 52$

9. $6(f + 5) = 2(f - 3)$