

HW #5 – Systems using Elimination**Solve by elimination. Show your work.**

1.
$$\begin{cases} x + 2y = 7 \\ 3x - 2y = -3 \end{cases}$$

2.
$$\begin{cases} 3x + y = 20 \\ x + y = 12 \end{cases}$$

3.
$$\begin{cases} 2x + 5y = -1 \\ x + 2y = 0 \end{cases}$$

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

5.
$$\begin{cases} -6x - 4y = 21 \\ -6x + 3y = 0 \end{cases}$$

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

Spiral:

Solve the following system of equations graphically.

7.
$$\begin{cases} y = -\frac{3}{4}x + 3 \\ y = \frac{3}{2}x - 6 \end{cases}$$

