Name: _____

Graphing Systems of Linear Inequalities

Solve each system of inequalities by graphing. If the system does not have a solution, write no solution.

1) $\begin{cases} x < 2 \\ y > -1 \end{cases}$

2) $\begin{cases} y > 0 \\ x \leq 5 \end{cases}$

3) $\begin{cases} y > 2 \\ y > -x + 2 \end{cases}$

4) $\begin{cases} x + y \geq 2 \\ x + y \leq 6 \end{cases}$

5) $\begin{cases} y \geq -3 \\ y < -3x + 1 \end{cases}$

6) $\begin{cases} y \leq 2x + 2 \\ 2x + y \leq 4 \end{cases}$

7) $\begin{cases} y + 4 < x \\ 2y + 4 > -3x \end{cases}$

8) $\begin{cases} 2y + x < 4 \\ 3x - y > 1 \end{cases}$

9) $\begin{cases} y \geq 2x - 1 \\ y \leq 2x + 4 \end{cases}$

10) $\begin{cases} x \geq -7 \\ y \leq -2x + 3 \end{cases}$