

Systems of Inequalities WS

Date _____ Period _____

Sketch the solution to each system of inequalities.

$$1) \begin{cases} y \leq \frac{2}{3}x + 1 \\ y > 2x - 3 \end{cases}$$

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

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

$$4) \begin{cases} y \leq -\frac{1}{3}x + 2 \\ y \leq -2x - 3 \end{cases}$$

$$5) \begin{cases} x - 2y < -2 \\ 2x - y \leq 2 \end{cases}$$

$$6) \begin{cases} 3x + y > 3 \\ x + 2y \geq -4 \end{cases}$$

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

$$8) \begin{cases} x + 2y > 2 \\ x - 2y > -6 \end{cases}$$