

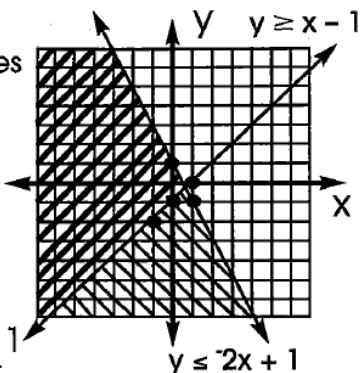
Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

### Graphing Systems of Linear Inequalities

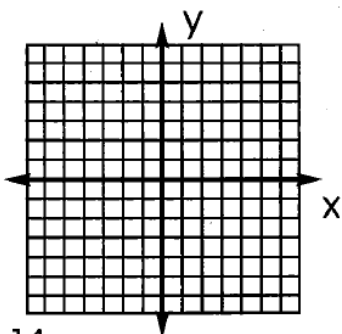
Graph the system of linear inequalities.

**Example:**  $\begin{cases} y \geq x - 1 \\ y \leq -2x + 1 \end{cases}$

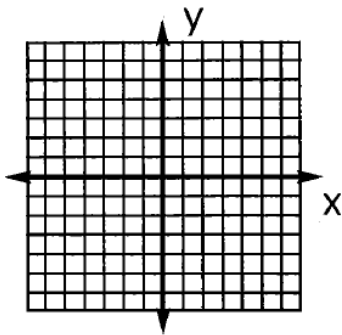
Note:  $<$  or  $>$  =  
dashed lines  
 $\leq$  or  $\geq$  =  
solid lines



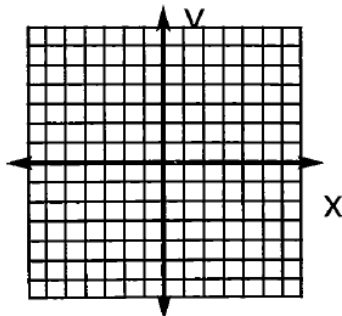
2.  $\begin{cases} 3x - 5y > 11 \\ 4x - 3y \geq 5 \end{cases}$



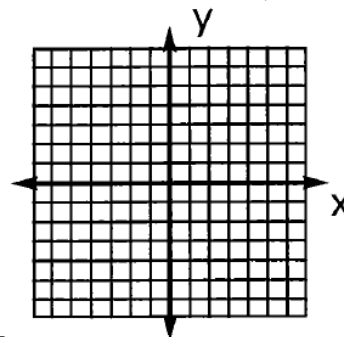
4.  $\begin{cases} 2x + 3y \leq 14 \\ 3x - 2y < 5 \end{cases}$



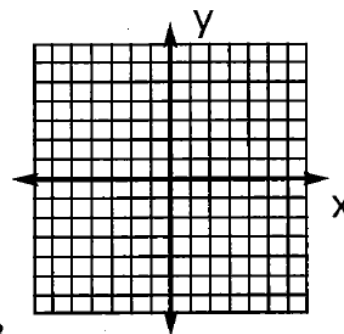
6.  $\begin{cases} x \geq 6 \\ y \leq 2x - 6 \end{cases}$



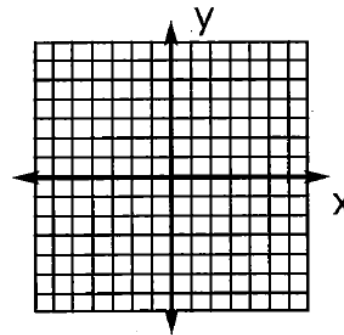
1.  $\begin{cases} x - 2y < -8 \\ 3x + y > 4 \end{cases}$



3.  $\begin{cases} y > \frac{1}{2}x + 3 \\ y > 3 \end{cases}$



5.  $\begin{cases} 5x + 2y > -8 \\ 2x - 5y \leq -9 \end{cases}$



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

