

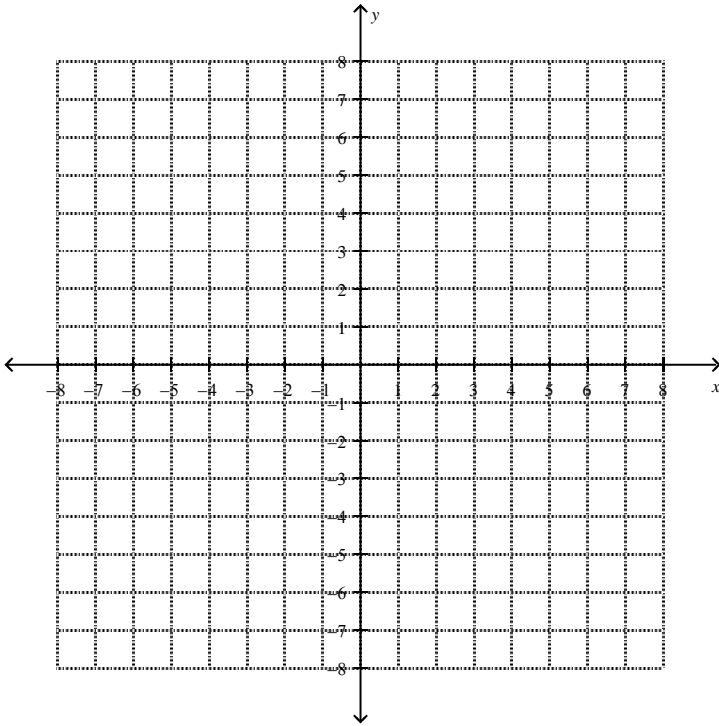
Name: \_\_\_\_\_

Class: \_\_\_\_\_

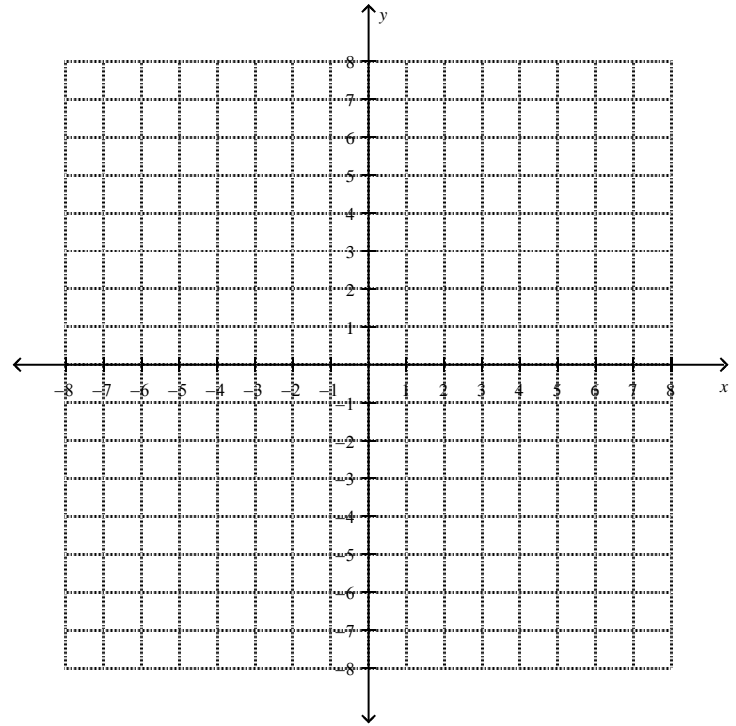
**AU4: HW #5 – Solving Linear Inequality Systems Graphically**

Date: \_\_\_\_\_

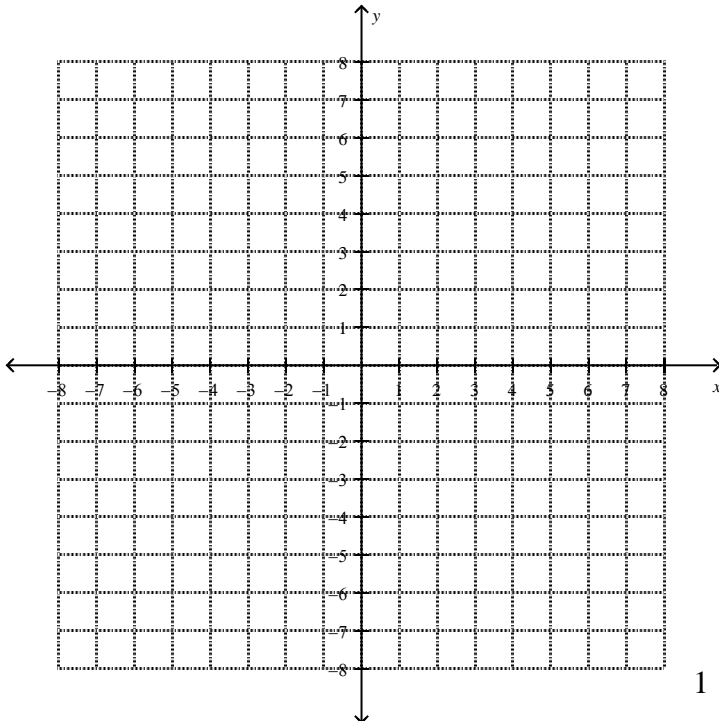
**#1.** Graph  $\begin{cases} x \geq -1 \\ y < 2 \end{cases}$



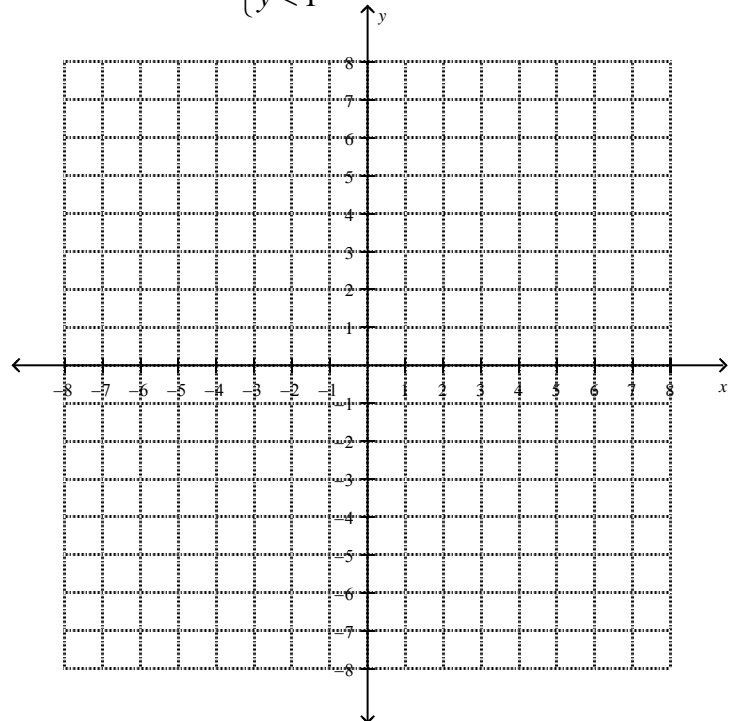
**#2.** Graph  $\begin{cases} y > x \\ y < 2x + 3 \end{cases}$



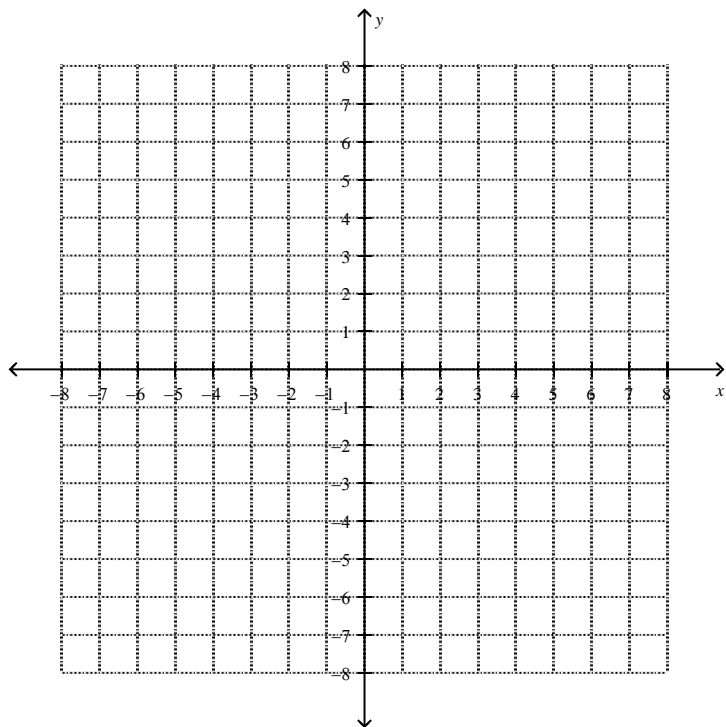
**#3.** Graph  $\begin{cases} x - y \leq -2 \\ x + y \geq 2 \end{cases}$



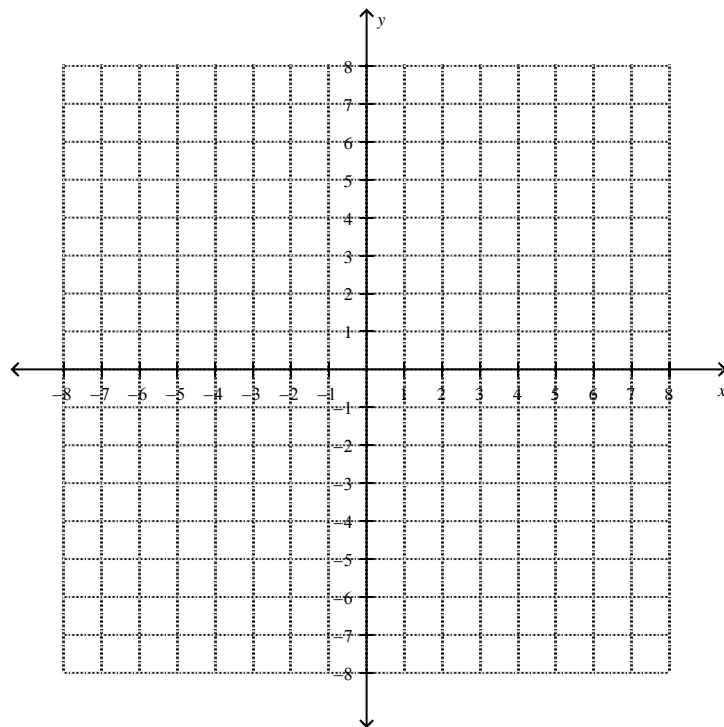
**#4.** Graph  $\begin{cases} 2x + y \geq 2 \\ x \leq 3 \\ y < 1 \end{cases}$



#5. Graph  $\begin{cases} y \geq -\frac{2}{3}x - 1 \\ y \geq \frac{3}{4}x + 1 \end{cases}$

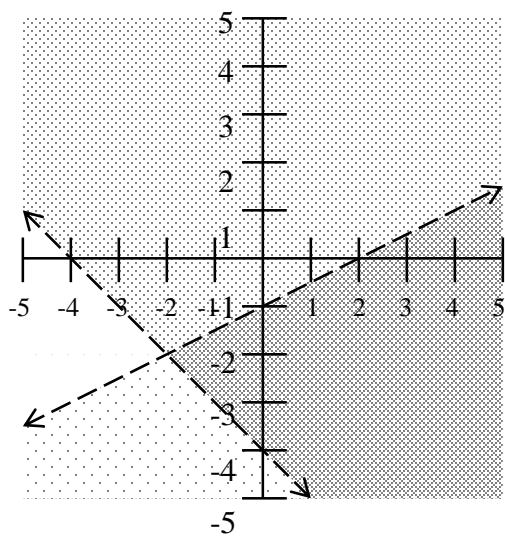


#6. Graph  $\begin{cases} -x + 3y < 12 \\ y \geq -x + 4 \end{cases}$



Write a system of inequalities for the dark region of each graph.

#7.



#8.

