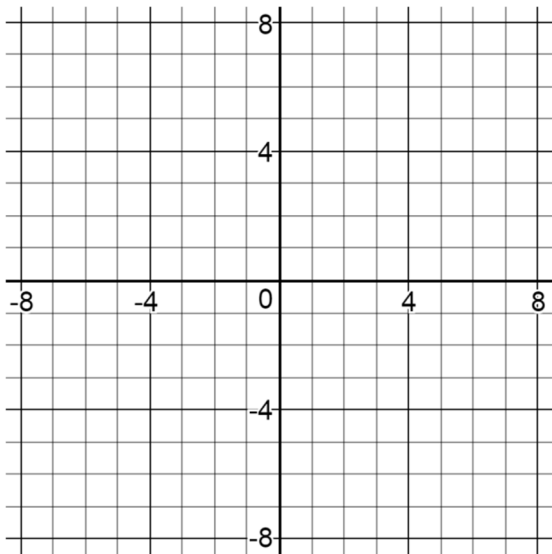


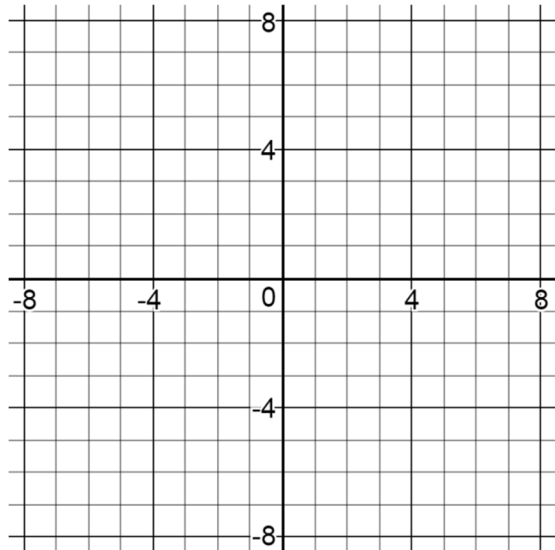
## Systems of Linear Inequalities (ALG.SYS.08)

Graph each system of linear inequalities.

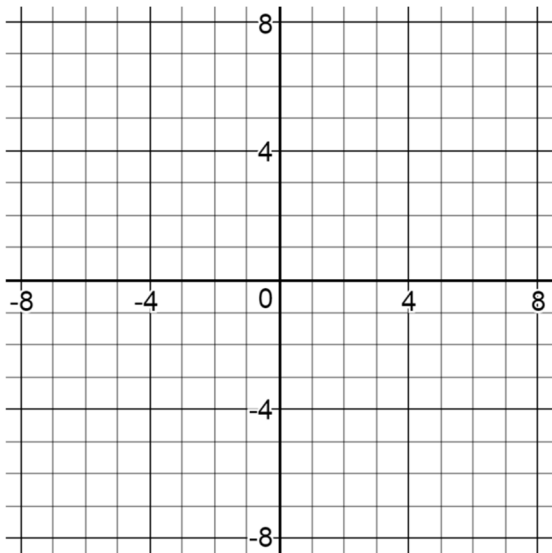
1. 
$$\begin{cases} y < -x + 3 \\ y \geq \frac{1}{3}x + 3 \end{cases}$$



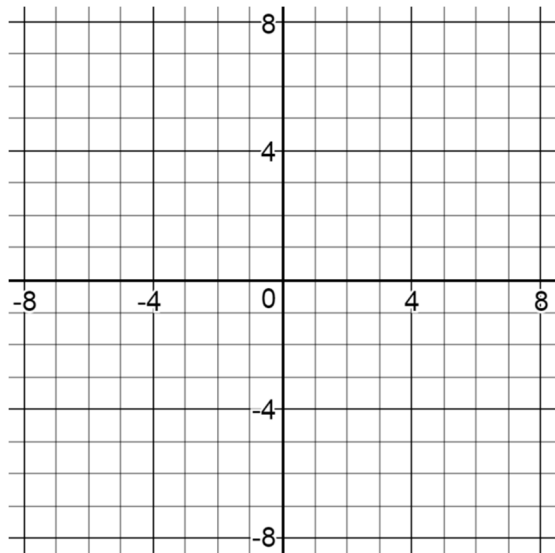
2. 
$$\begin{cases} y \leq 4x - 2 \\ y > -x + 3 \end{cases}$$



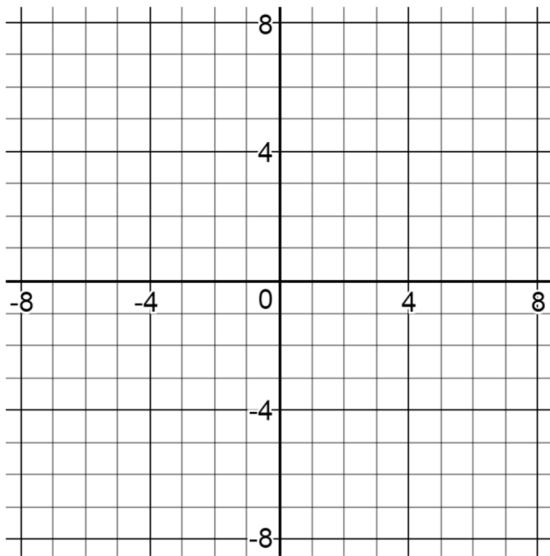
3. 
$$\begin{cases} y \leq -2x + 2 \\ y \leq -2 \end{cases}$$



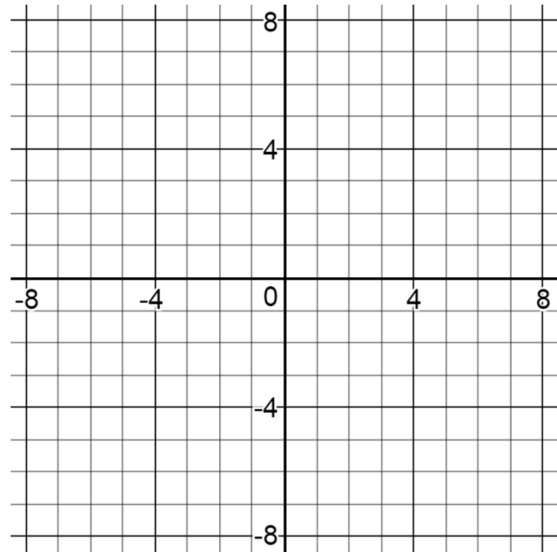
4. 
$$\begin{cases} y < -2x + 3 \\ y > -2x + 1 \end{cases}$$



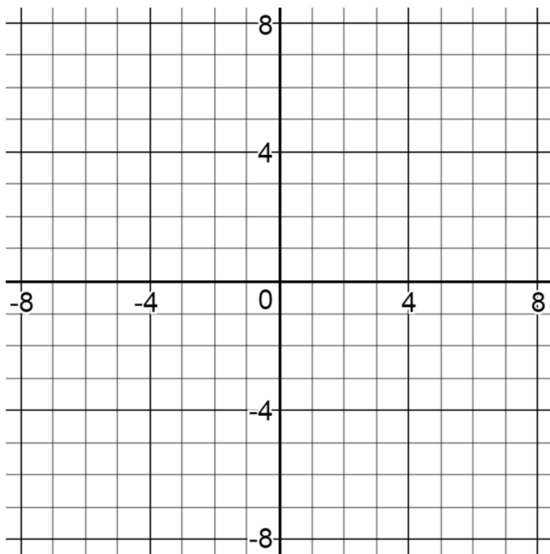
5. 
$$\begin{cases} y \geq -\frac{2}{3}x + 2 \\ y \leq 2x - 6 \end{cases}$$



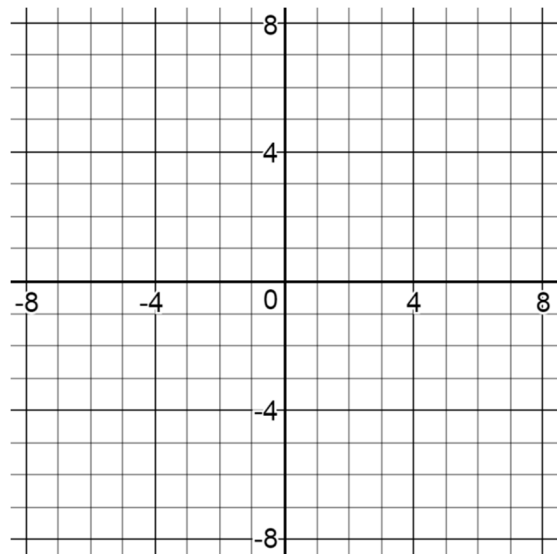
6. 
$$\begin{cases} y \geq 4x + 1 \\ y \geq x - 2 \end{cases}$$



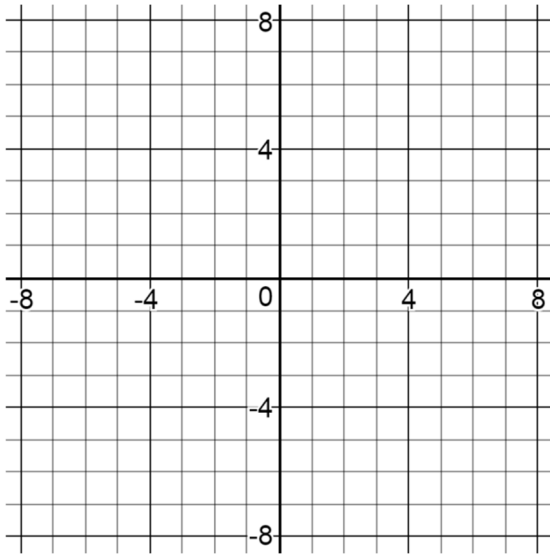
7. 
$$\begin{cases} y \leq \frac{1}{3}x - 2 \\ y \leq 2x + 3 \end{cases}$$



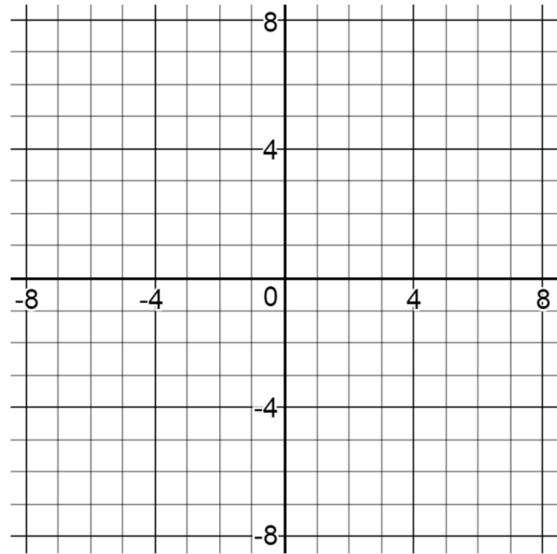
8. 
$$\begin{cases} y < -x - 3 \\ y < x + 1 \end{cases}$$



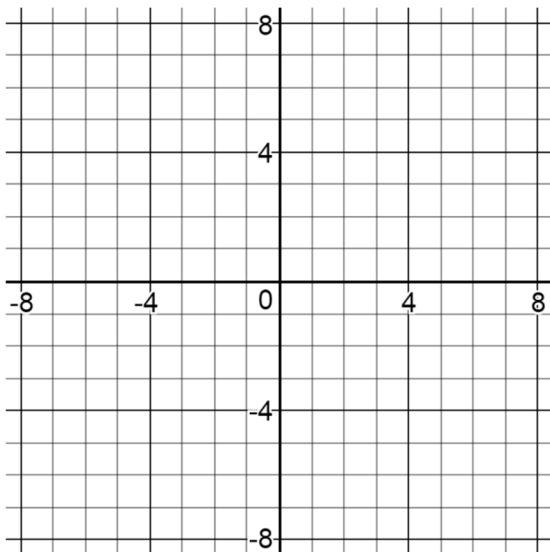
9. 
$$\begin{cases} x + y > 5 \\ x - y > 1 \end{cases}$$



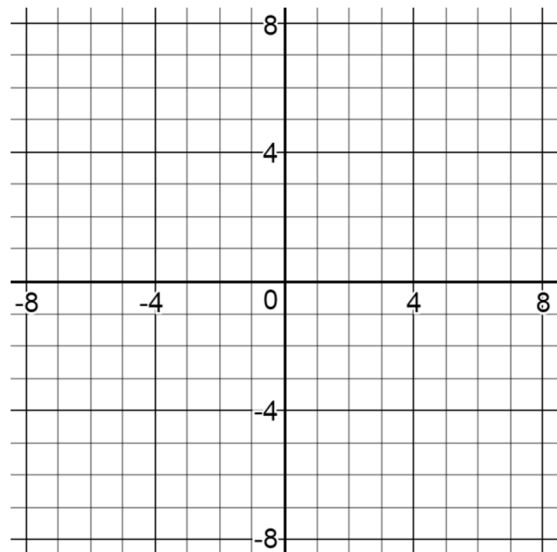
10. 
$$\begin{cases} y \leq \frac{1}{2}x + 2 \\ y > \frac{5}{2}x - 2 \end{cases}$$



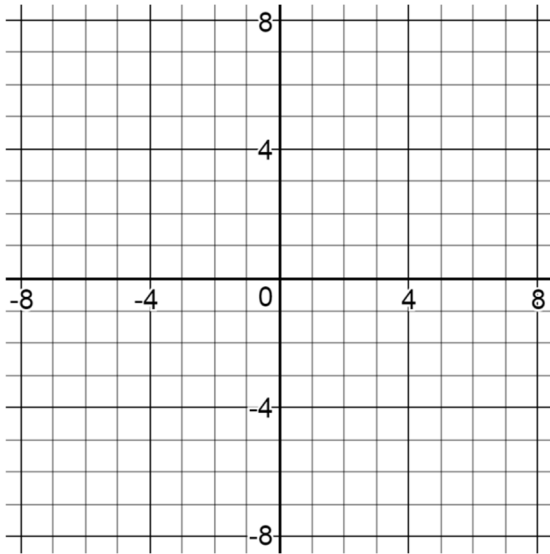
11. 
$$\begin{cases} y \geq -\frac{2}{3}x - 3 \\ y \leq \frac{4}{3}x + 3 \end{cases}$$



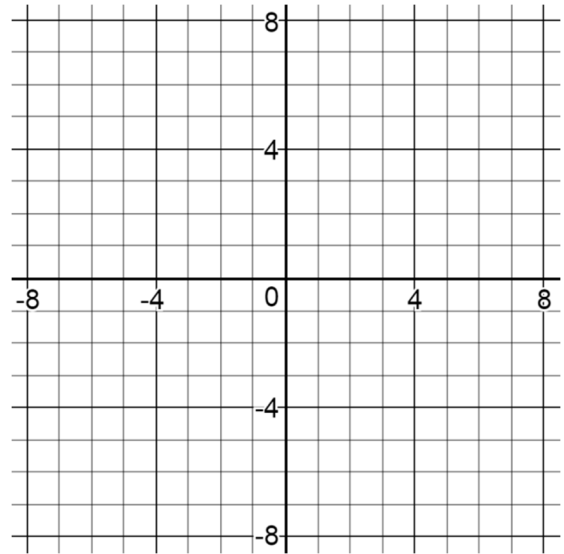
12. 
$$\begin{cases} 2x + 3y \geq 3 \\ 2x - 3y \geq 9 \end{cases}$$



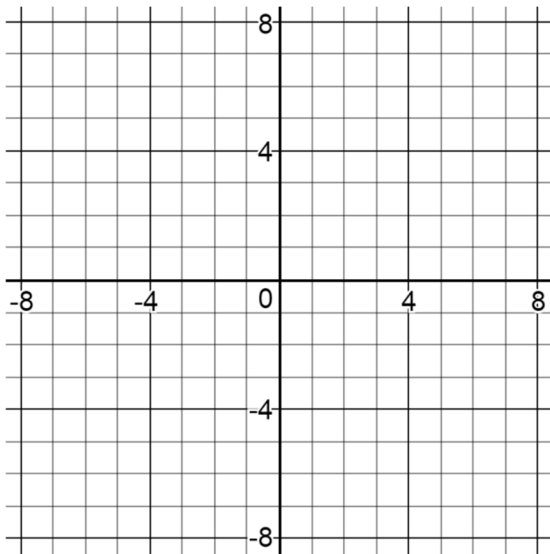
13. 
$$\begin{cases} 5x - 3y < 6 \\ -2x + 5y < -10 \end{cases}$$



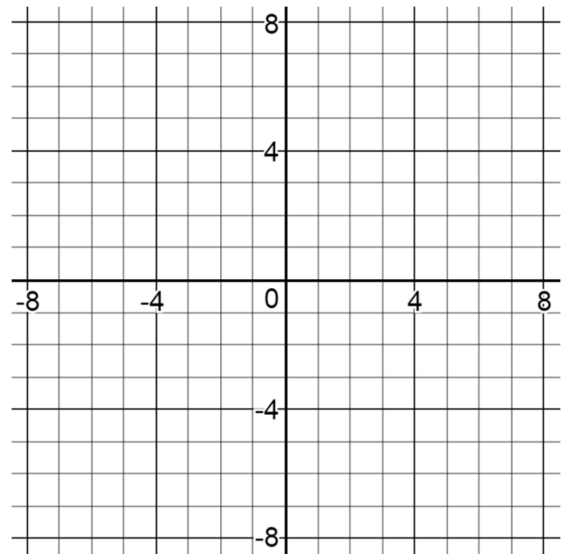
14. 
$$\begin{cases} x - y > -3 \\ x + y \leq -1 \end{cases}$$



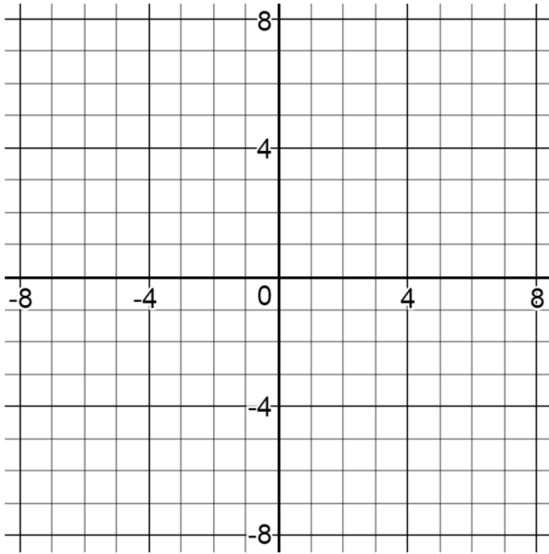
15. 
$$\begin{cases} x - 2y \geq 4 \\ 2x + y < 3 \end{cases}$$



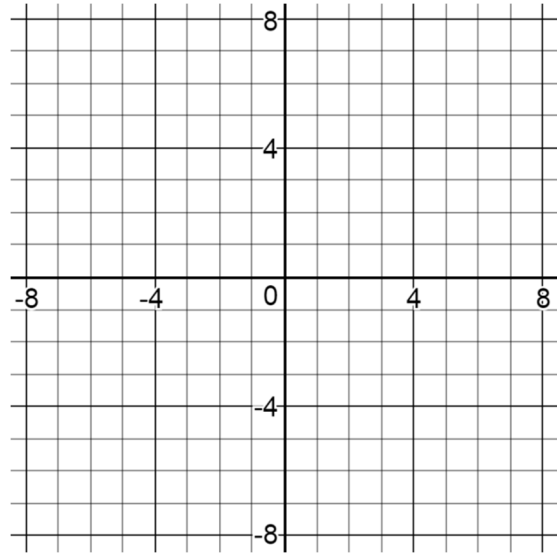
16. 
$$\begin{cases} x \leq -3 \\ 2x - 3y \geq -3 \end{cases}$$



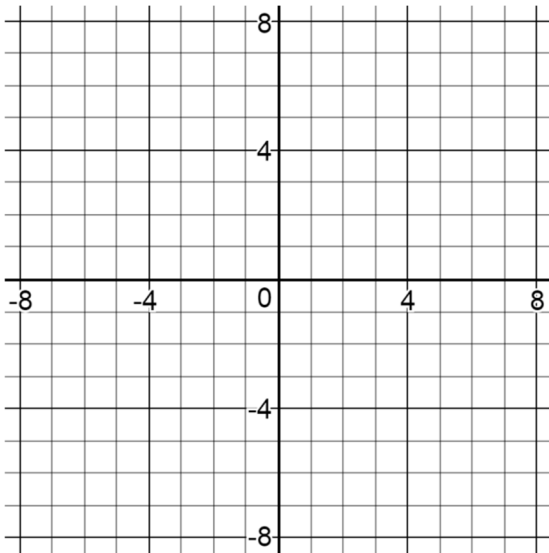
$$17. \begin{cases} 5x - 3y < 9 \\ y - 3 > \frac{5}{3}(x - 2) \end{cases}$$



$$18. \begin{cases} 2x - y \leq 1 \\ y - 1 \leq 2(x - 2) \end{cases}$$



$$19. \begin{cases} y - 2 \geq -\frac{2}{3}(x - 6) \\ y - 2 \geq \frac{3}{2}(x - 6) \end{cases}$$



$$20. \begin{cases} x + y < 1 \\ 0 \geq x + y + 1 \end{cases}$$

