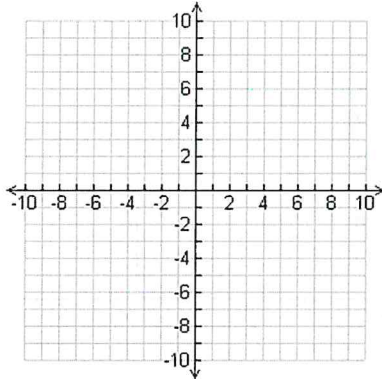


Graphing Systems of Linear Inequalities – Day 4

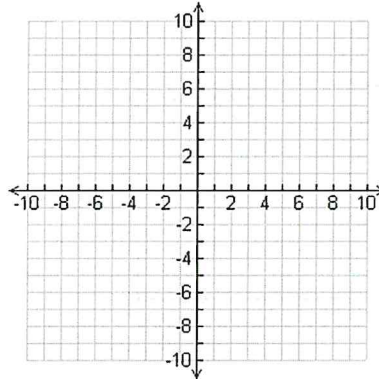
Unit 4: Systems

Sketch the solution to each system of INEQUALITIES:

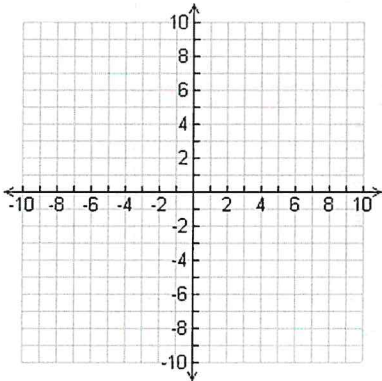
1. $x < 1$
 $x - y < -2$



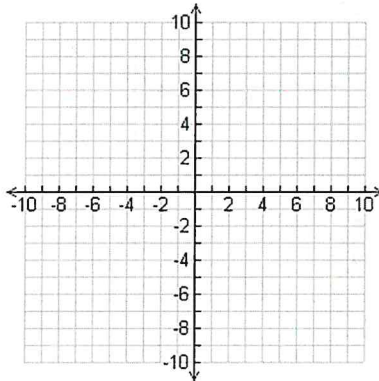
2. $x + y \geq -2$
 $4x - y \leq -3$



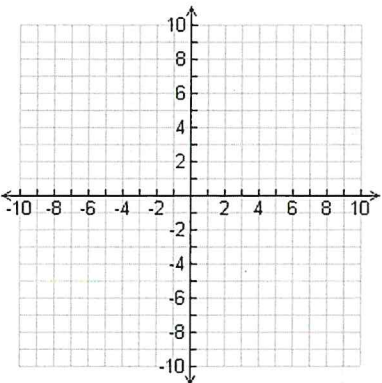
3. $x - y \leq -2$
 $x \geq 1$



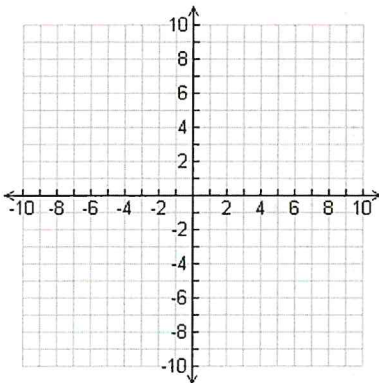
4. $5x - 3y \geq 9$
 $x - 3y > -3$



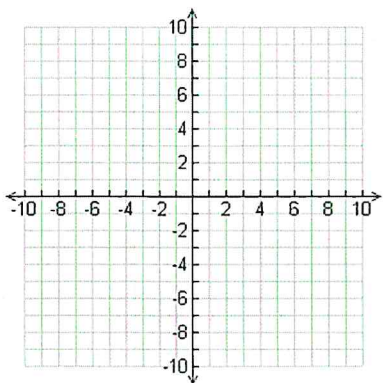
5. $5x - 2y \leq 6$
 $x - 2y > -2$



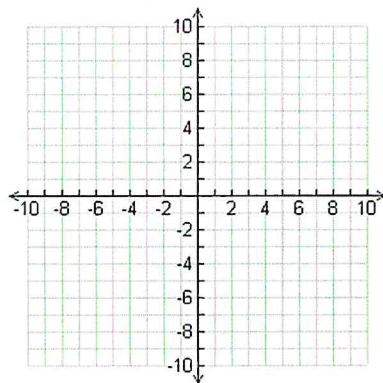
6. $x + 3y < -6$
 $2x + y \leq 3$



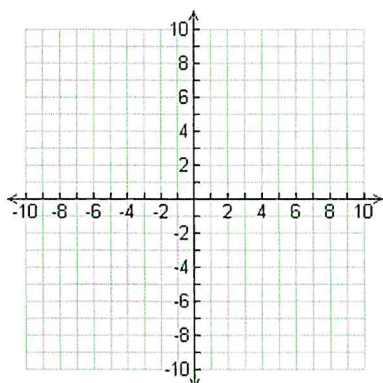
$$7. \begin{cases} 5x - 2y \leq -4 \\ 5x - 2y < 4 \end{cases}$$



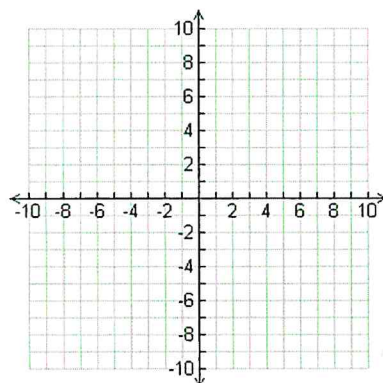
$$8. \begin{cases} 2x - y \leq 3 \\ 2x - 3y \leq -3 \end{cases}$$



$$9. \begin{cases} x + y \geq 3 \\ 5x - y \geq 3 \end{cases}$$

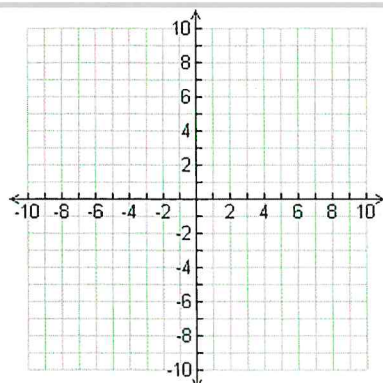


$$10. \begin{cases} 2x + 3y \leq 3 \\ 2x + y \geq -3 \end{cases}$$



$$11. \begin{cases} y \leq \frac{1}{2}x - 3 \\ y > \frac{1}{2}x + 3 \end{cases}$$

$$y > \frac{1}{2}x + 3$$



$$12. \begin{cases} y > -\frac{5}{2}x + 2 \\ y \leq -\frac{1}{2}x - 2 \end{cases}$$

$$y \leq -\frac{1}{2}x - 2$$

