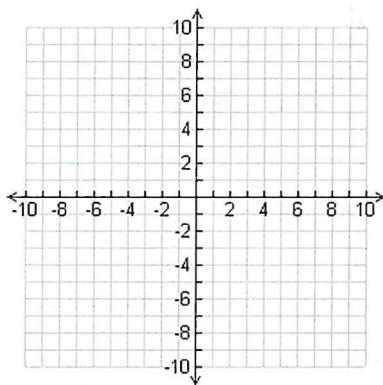


Graphing Systems of Linear Inequalities – Day 3

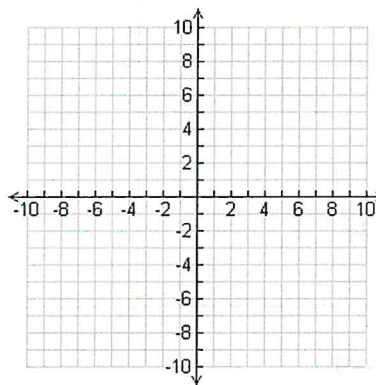
Unit 4: Systems

Sketch the solution to each system of INEQUALITIES:

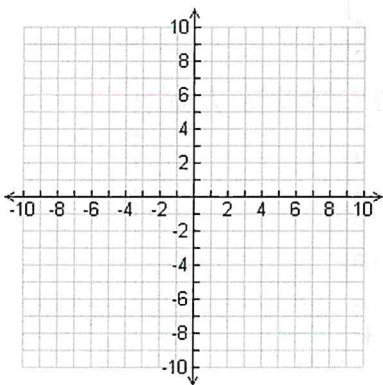
1. $x + 2y \leq 4$
 $5x + 2y \leq -4$



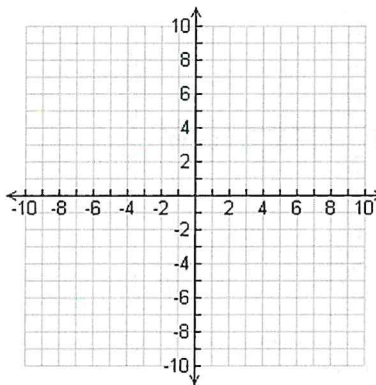
2. $3x + y < 3$
 $3x + y > -2$



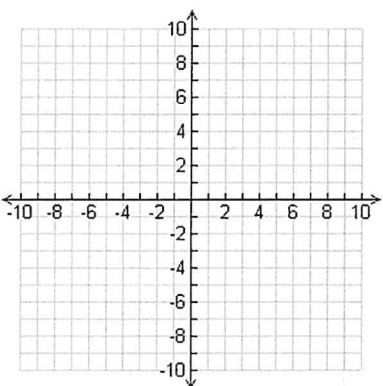
3. $4x - y \geq -2$
 $x - y > 1$



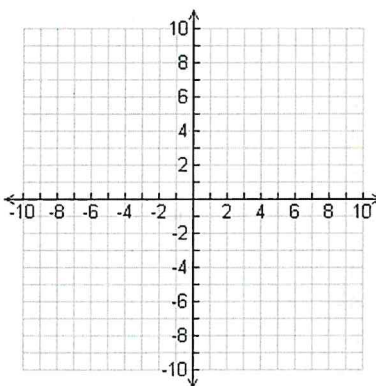
4. $2x - 3y < -9$
 $2x + 3y > -3$



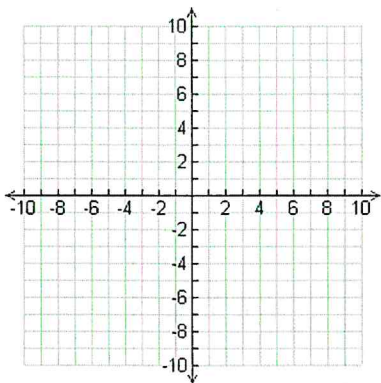
5. $3x - 2y \geq 2$
 $x < 2$



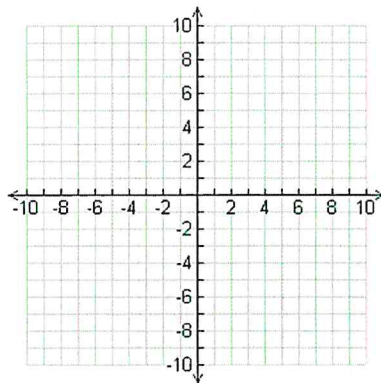
6. $2x + y > -1$
 $x - y > -2$



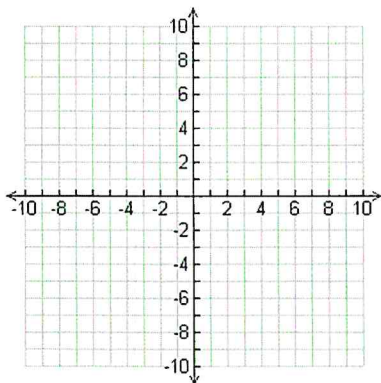
$$7. \begin{cases} 5x - y > -2 \\ x - y \leq 2 \end{cases}$$



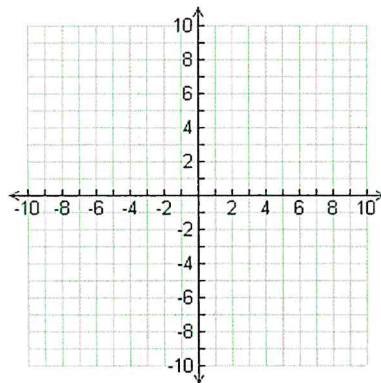
$$8. \begin{cases} 3x - y \geq -2 \\ 2x + y > -3 \end{cases}$$



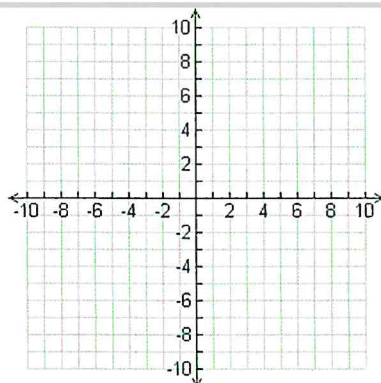
$$9. \begin{cases} x + 3y < 3 \\ 5x + 3y > -9 \end{cases}$$



$$10. \begin{cases} x < 3 \\ 2x + 3y < 9 \end{cases}$$



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



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

