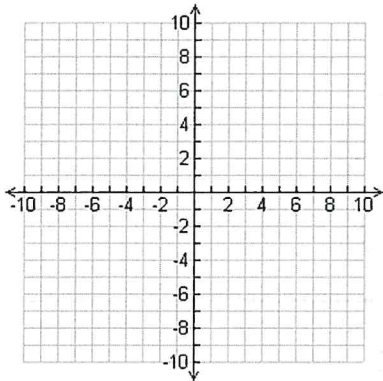


Graphing Systems of Linear Inequalities – Day 2

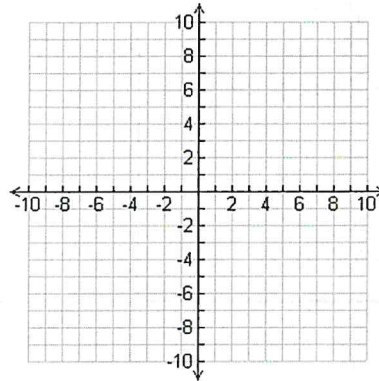
Unit 4: Systems

Sketch the solution to each system of INEQUALITIES:

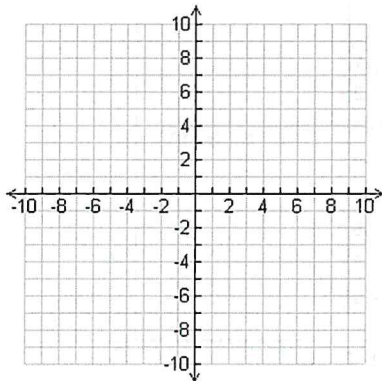
1. $x + y \leq -1$
 $x - y > 3$



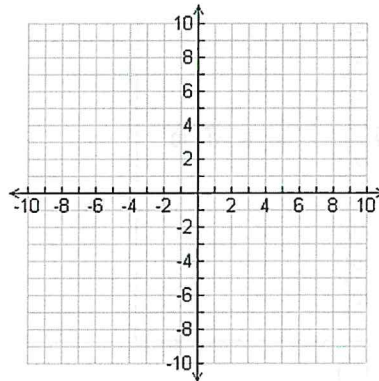
2. $x - y > -3$
 $y < 2$



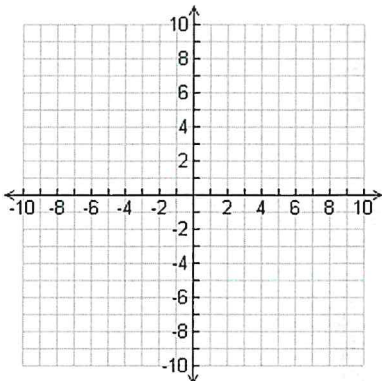
3. $x < -2$
 $3x + 2y < -2$



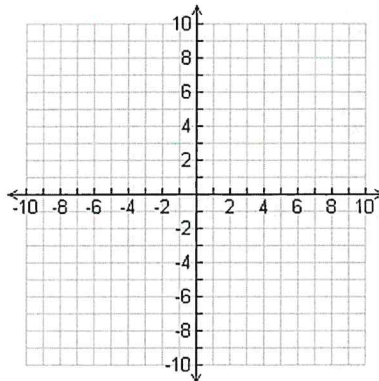
4. $3x + y \geq -2$
 $x - y < -2$



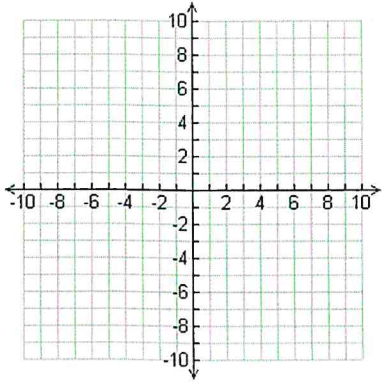
5. $5x + 3y \geq 9$
 $x - 3y > 9$



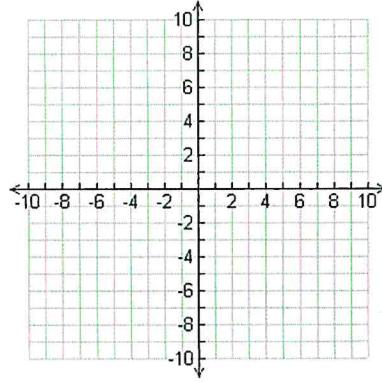
6. $2x - 3y > -9$
 $2x + 3y \leq -3$



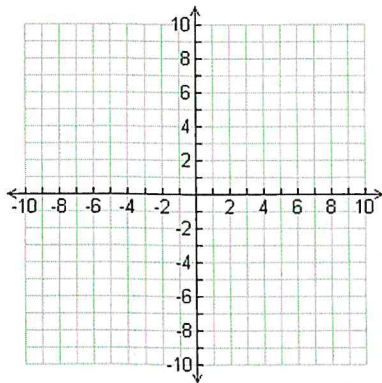
$$7. \begin{cases} 3x - y \geq 2 \\ 3x - y < -2 \end{cases}$$



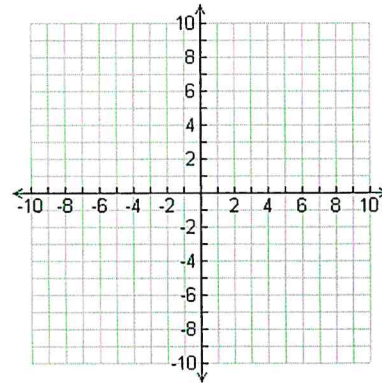
$$8. \begin{cases} 5x + 2y < 4 \\ x + 2y < -4 \end{cases}$$



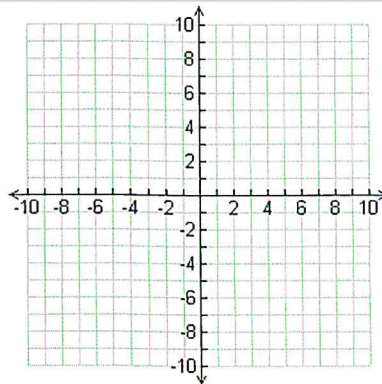
$$9. \begin{cases} 2x + y \geq -2 \\ x - 2y \leq -6 \end{cases}$$



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



$$11. \begin{cases} y > -\frac{4}{3}x + 1 \\ y < -\frac{4}{3}x - 1 \end{cases}$$



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

