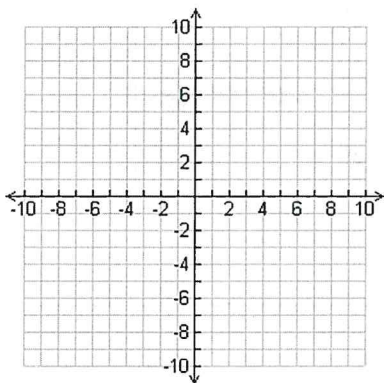


Graphing Systems of Linear Inequalities – Day 6

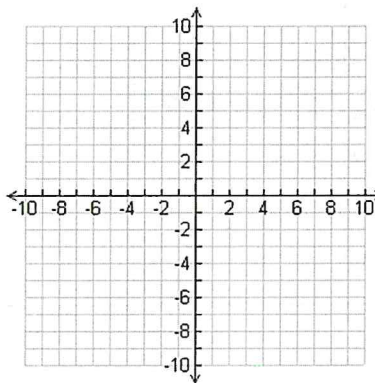
Unit 4: Systems

Sketch the solution to each system of INEQUALITIES:

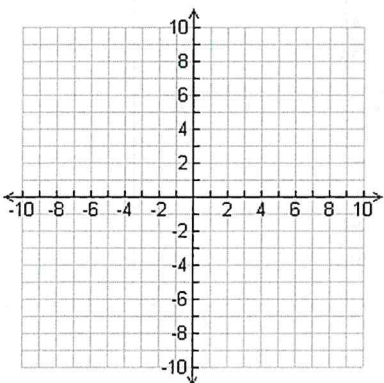
1. $3x - y \geq 3$
 $x - 2y \geq -4$



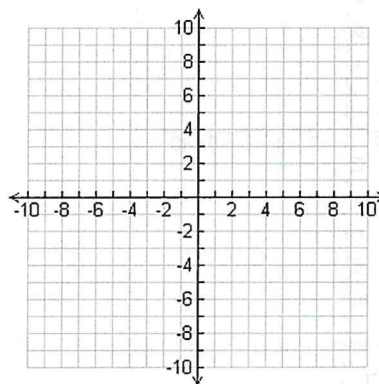
2. $x - 2y < -6$
 $x + 2y \geq 2$



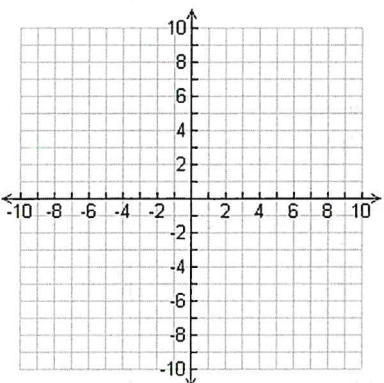
3. $x + 3y \geq 6$
 $x + 3y < -6$



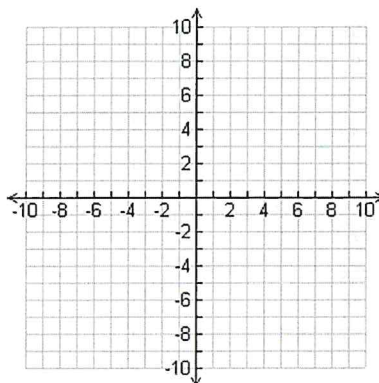
4. $x + y < -1$
 $x - 3y \geq -9$



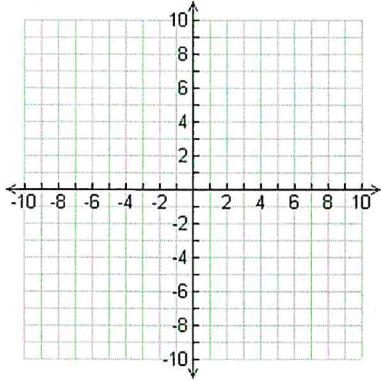
5. $4x + y > -1$
 $x + y \leq 2$



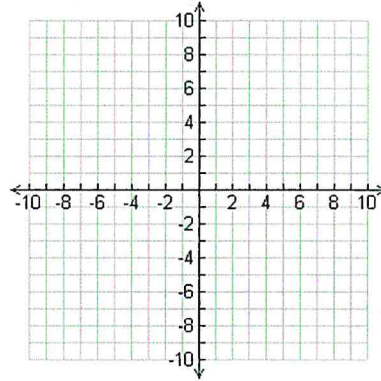
6. $y < -2$
 $5x - y \leq -3$



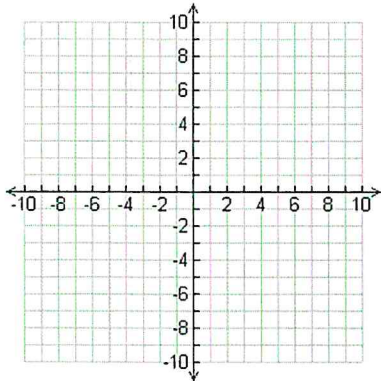
$$7. \begin{aligned} x - 3y &< 3 \\ 5x - 3y &\geq -9 \end{aligned}$$



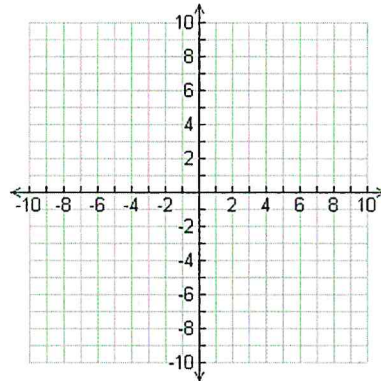
$$8. \begin{aligned} 2x + y &\geq -3 \\ 3x - y &\leq -2 \end{aligned}$$



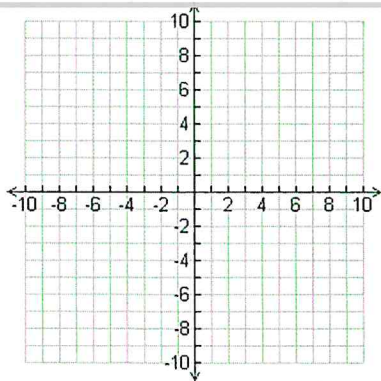
$$9. \begin{aligned} 2x + y &\leq -1 \\ x + 2y &\leq 4 \end{aligned}$$



$$10. \begin{aligned} x - y &\leq 2 \\ 2x + y &< 1 \end{aligned}$$



$$11. \begin{aligned} y &\geq -\frac{4}{3}x + 2 \\ y &\leq -\frac{4}{3}x + 1 \end{aligned}$$



$$12. \begin{aligned} y &> -2x - 1 \\ y &\geq -2x + 2 \end{aligned}$$

