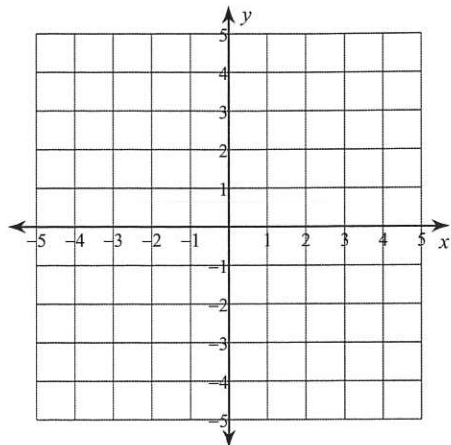


6.6 Solve Systems of Linear Inequalities HW-1

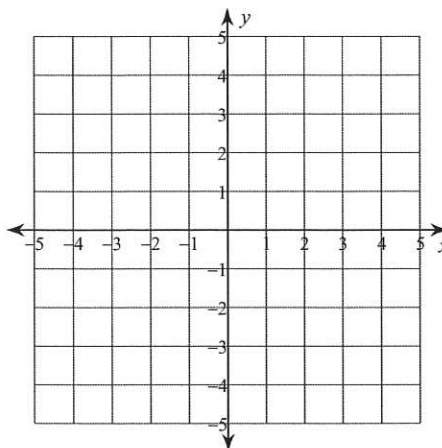
Date _____ Period _____

Sketch the solution to each system of inequalities.

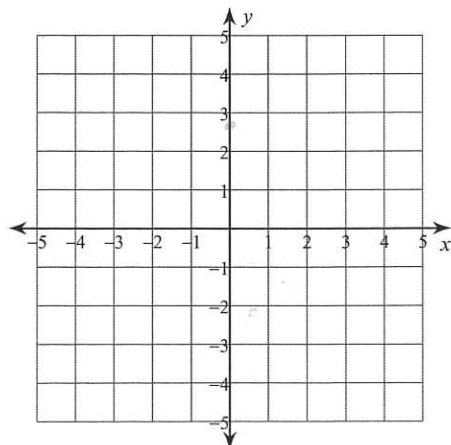
$$1) \begin{aligned} y &> -4x - 2 \\ y &\geq -x + 1 \end{aligned}$$



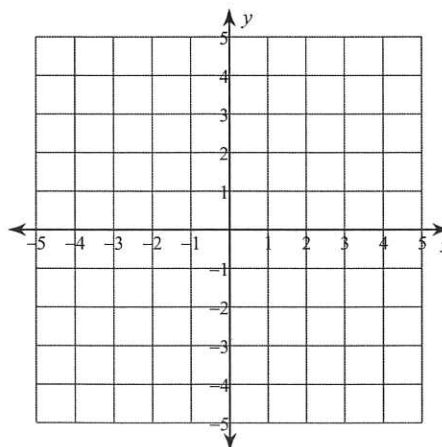
$$2) \begin{aligned} y &\geq -x - 2 \\ y &> \frac{1}{3}x + 2 \end{aligned}$$



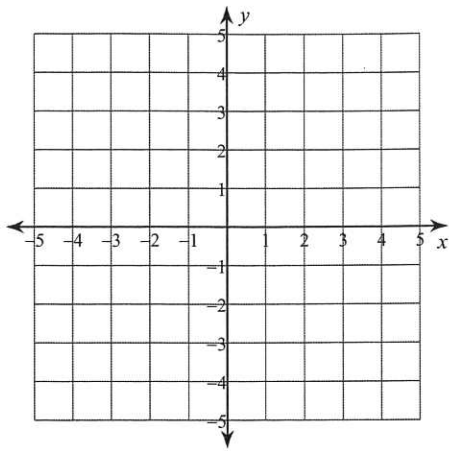
$$3) \begin{aligned} y &< -\frac{5}{3}x + 2 \\ y &> -\frac{1}{3}x - 2 \end{aligned}$$



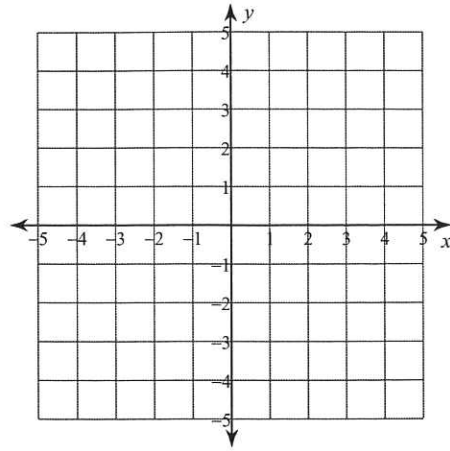
$$4) \begin{aligned} y &> -\frac{1}{2}x - 2 \\ y &> 2x + 3 \end{aligned}$$



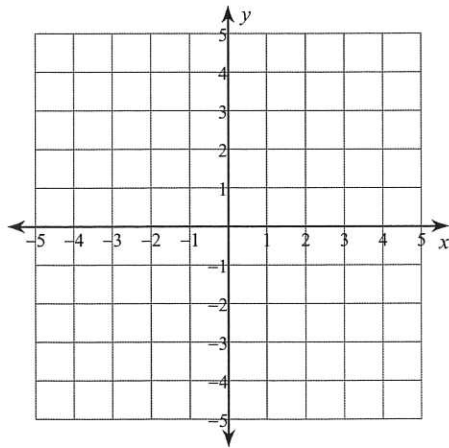
5) $x - y < 2$
 $3x + y < 2$



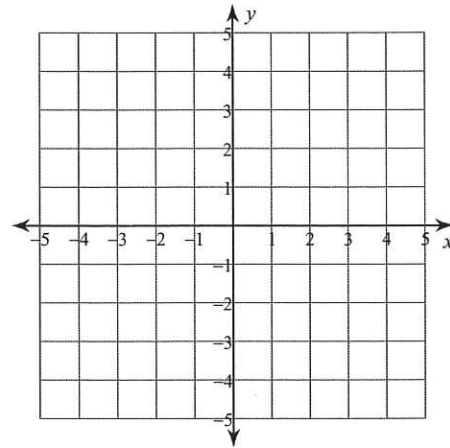
6) $x + y \leq -1$
 $x - 3y \leq -9$



7) $5x + 3y > -9$
 $x + 3y > 3$

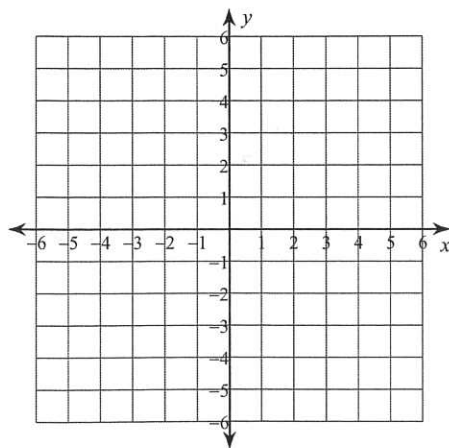


8) $x + 2y < 6$
 $3x - 2y \leq 2$



Graph the Inequality

9) $x \leq -3$



10) $4x - y \geq 3$

