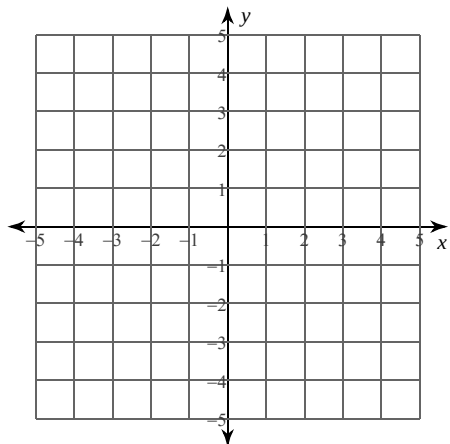


Class Time Examples

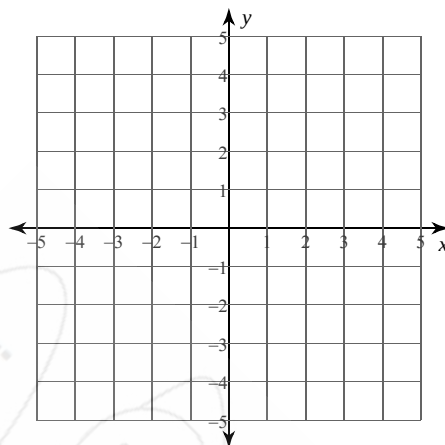
Date _____

Sketch the solution to each system of inequalities.

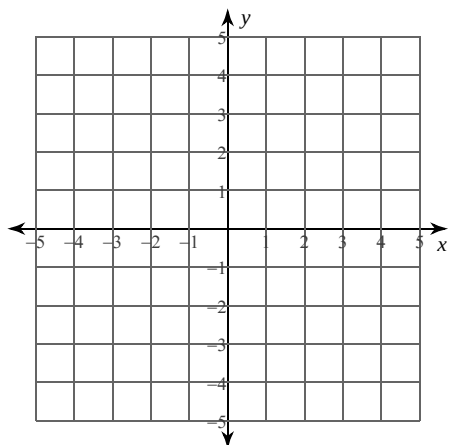
$$1) \begin{aligned} y &> -x - 3 \\ y &\geq 3x + 1 \end{aligned}$$



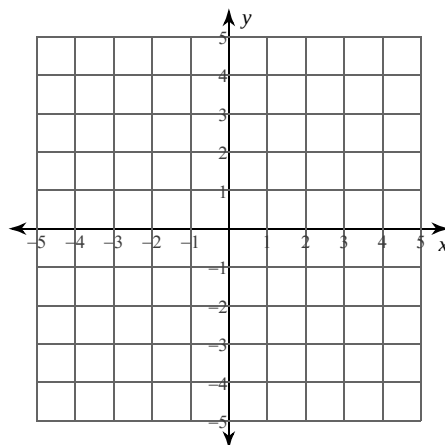
$$2) \begin{aligned} y &> -\frac{1}{2}x + 2 \\ y &> -\frac{5}{2}x - 2 \end{aligned}$$



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

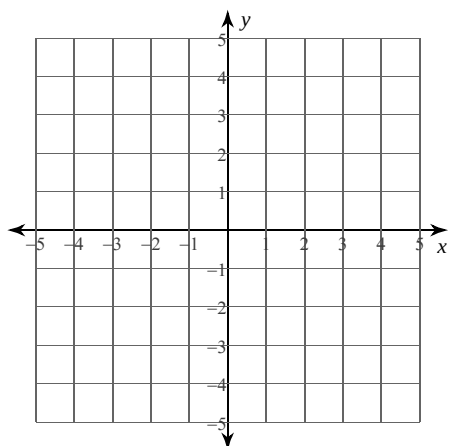


$$4) \begin{aligned} y &> -\frac{4}{3}x + 3 \\ y &< \frac{2}{3}x - 3 \end{aligned}$$



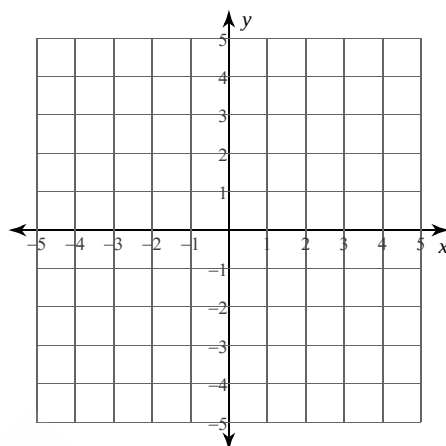
$$5) \ y > -\frac{1}{2}x - 2$$

$$y \geq x + 1$$



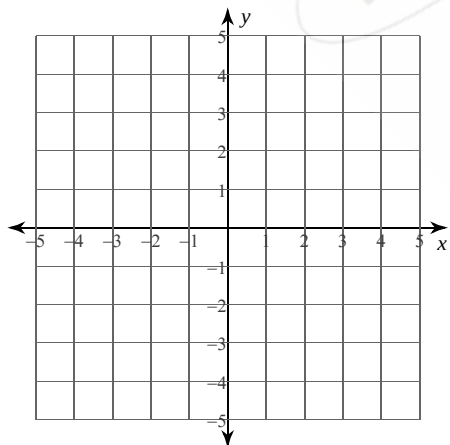
$$6) \ y < -3x + 3$$

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



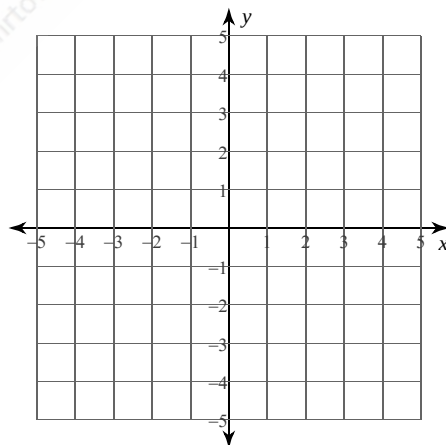
$$7) \ y > 5x + 2$$

$$y < x - 2$$



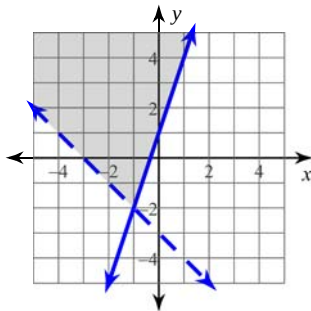
$$8) \ x \geq -3$$

$$y \leq \frac{5}{3}x + 2$$

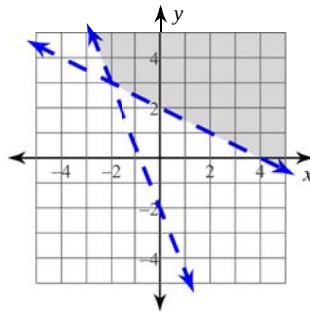


Answers to Class Time Examples

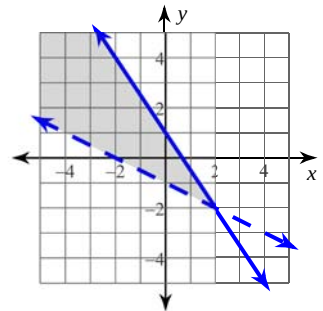
1)



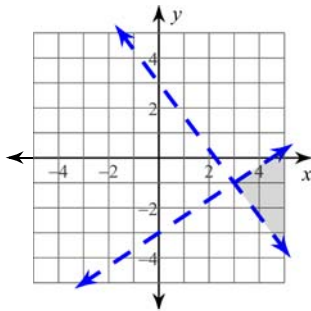
2)



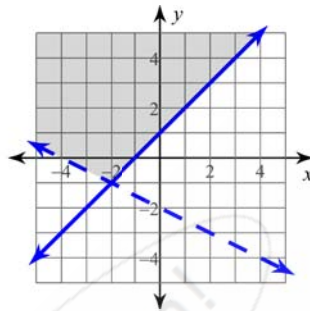
3)



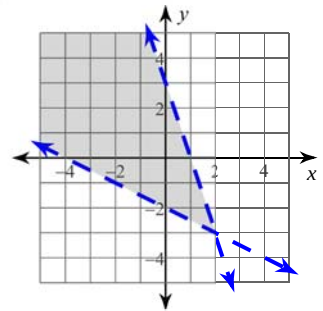
4)



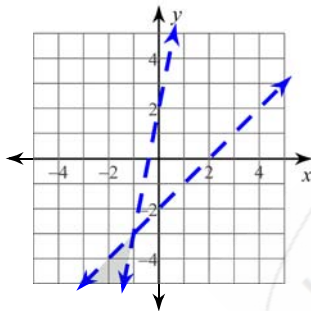
5)



6)



7)



8)

