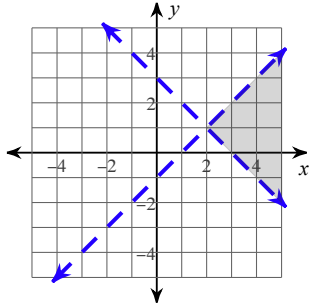


Linear Inequalities Homework

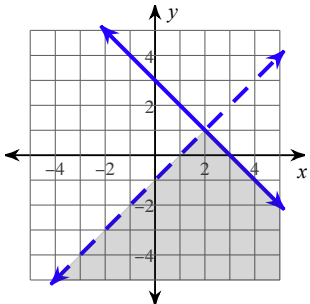
Sketch the solution to each system of inequalities.

1) $y < x - 1$
 $y \leq -x + 3$

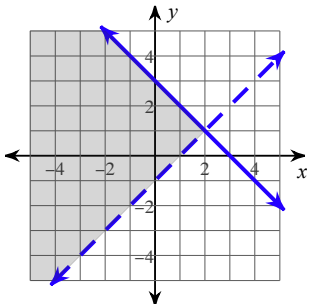
A)



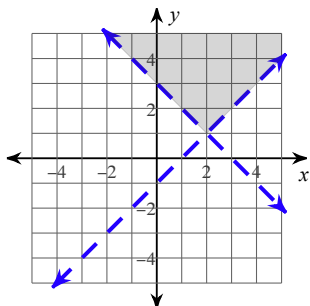
B)



C)

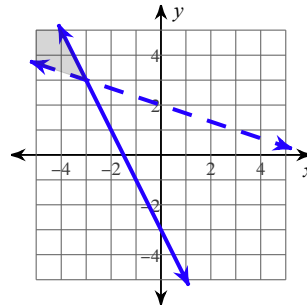


D)

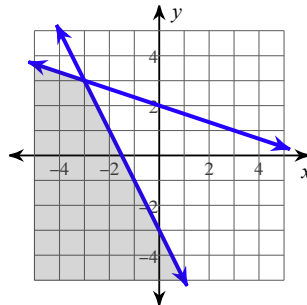


2) $y > -\frac{3}{2}x + 2$
 $y \geq x - 3$

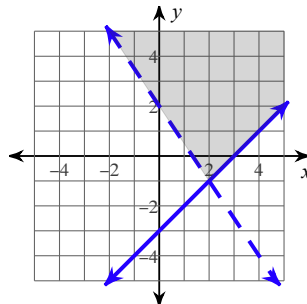
A)



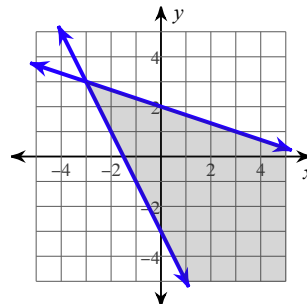
B)



C)



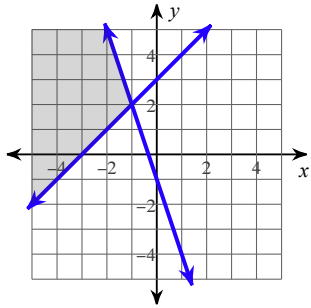
D)



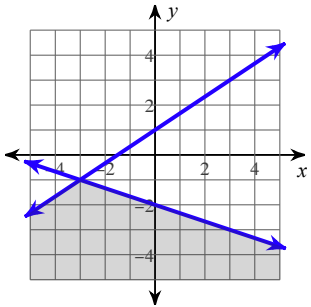
$$3) y \leq \frac{2}{3}x + 1$$

$$y \leq -\frac{1}{3}x - 2$$

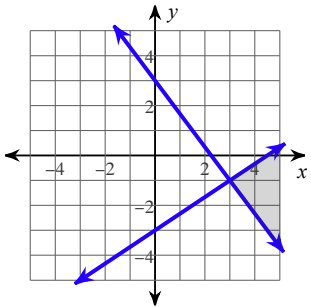
A)



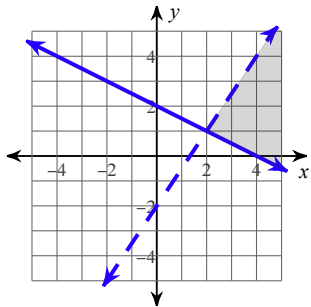
B)



C)



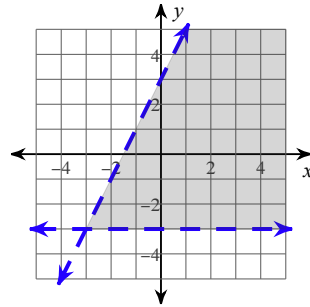
D)



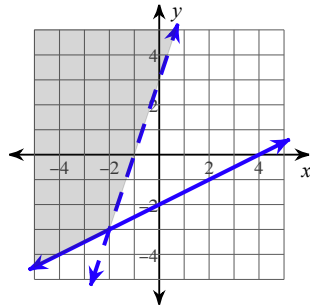
$$4) y \geq -\frac{1}{2}x + 2$$

$$y < 2x - 3$$

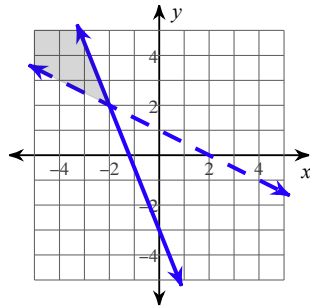
A)



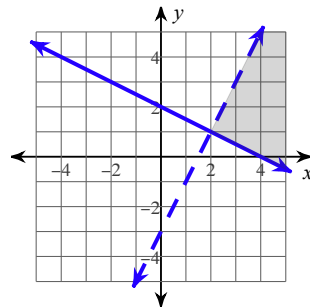
B)



C)

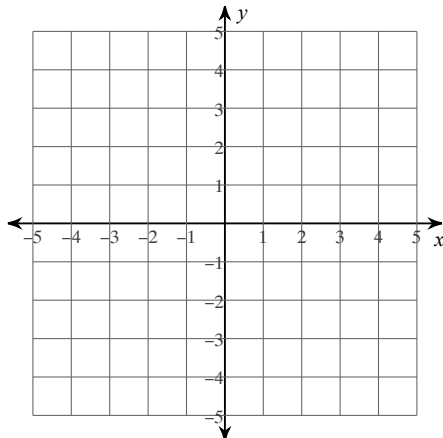


D)



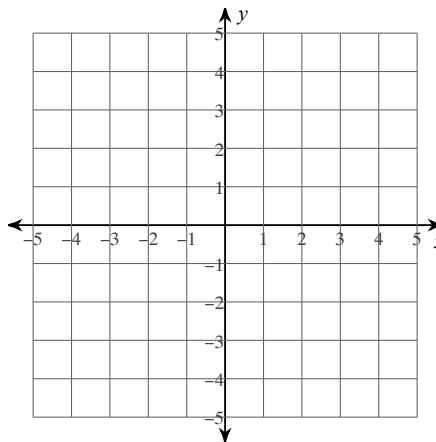
$$5) y \geq \frac{1}{3}x - 2$$

$$y < -\frac{4}{3}x + 3$$



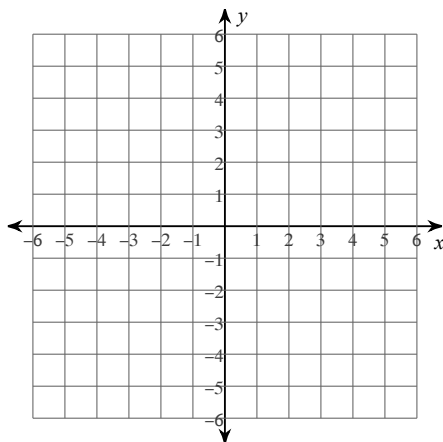
$$6) y \leq x - 2$$

$$y > -\frac{2}{3}x + 3$$

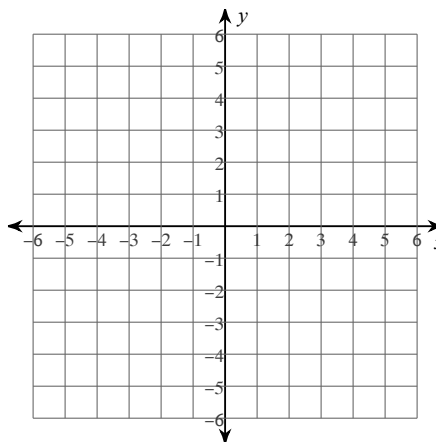


Sketch the graph of each linear inequality.

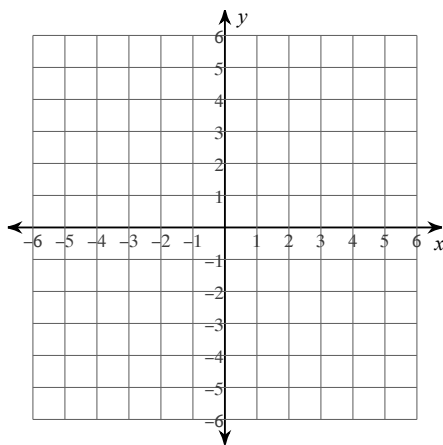
$$7) y \leq -\frac{4}{5}x - 5$$



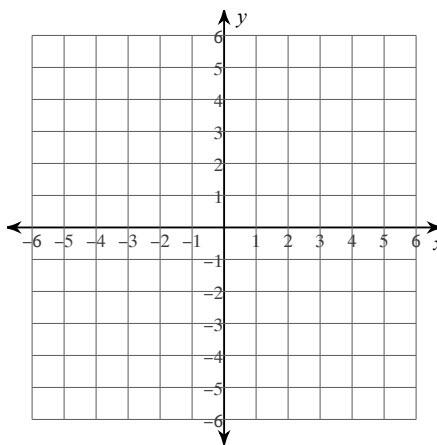
$$8) y \geq \frac{5}{3}x - 3$$



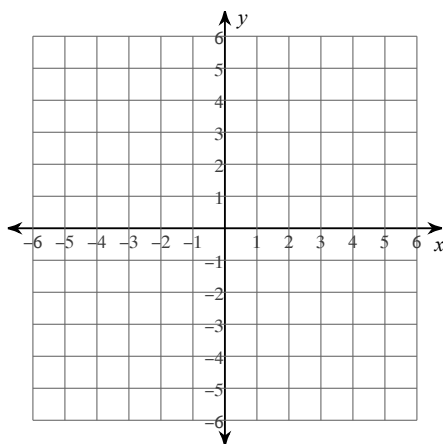
9) $y \leq 6x + 4$



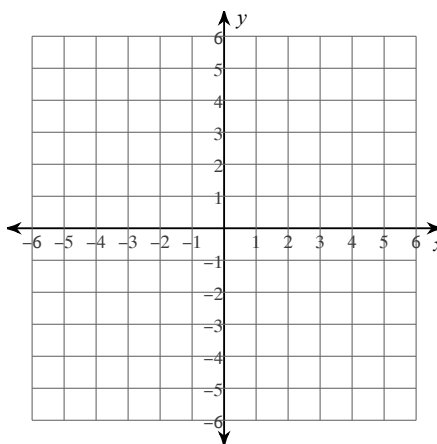
10) $y \leq 3x + 1$



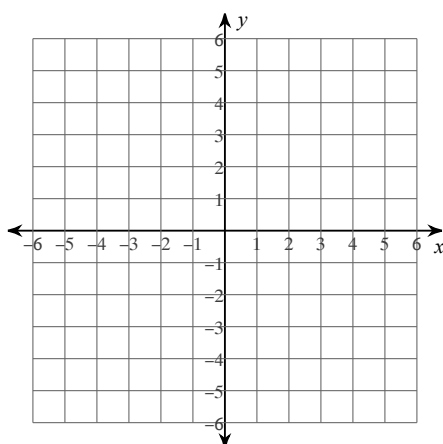
11) $y > 4x + 5$



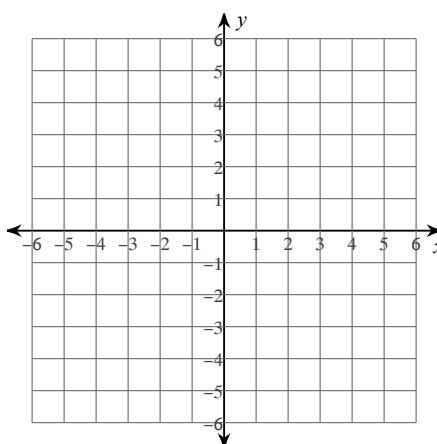
12) $y \leq 2x + 4$



13) $y \geq -\frac{1}{4}x + 1$

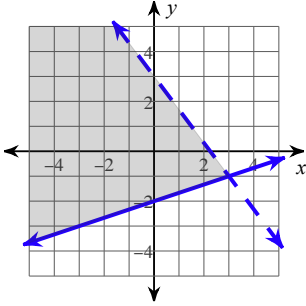


14) $y < \frac{9}{2}x - 4$



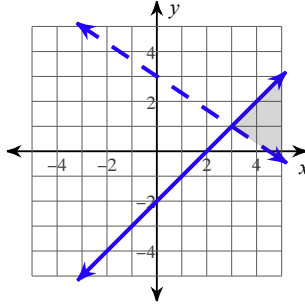
Answers to Linear Inequalities Homework

1) B
5)



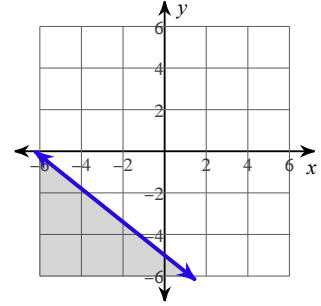
2) C

6)



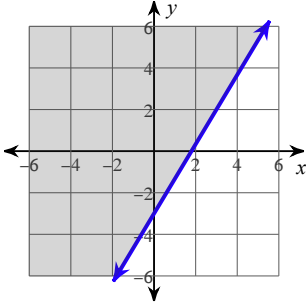
3) B

7)

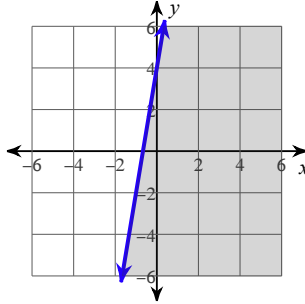


4) D

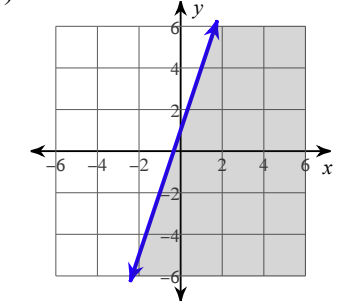
8)



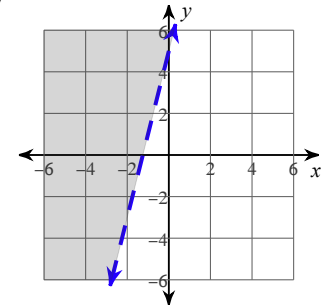
9)



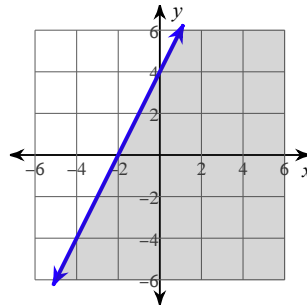
10)



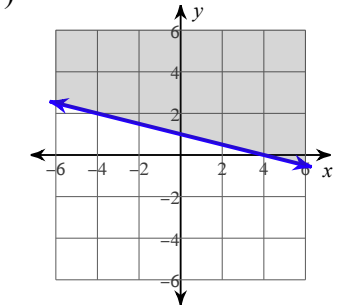
11)



12)



13)



14)

