

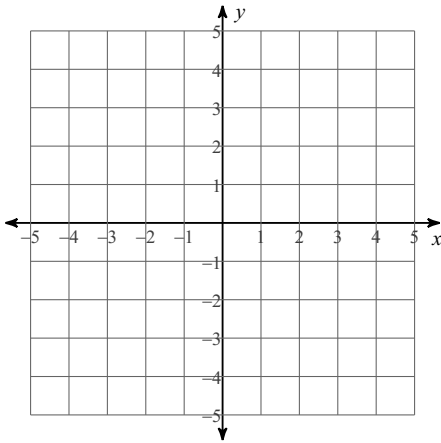
## Assignment

Date \_\_\_\_\_ Period \_\_\_\_\_

Sketch the solution to each system of inequalities.

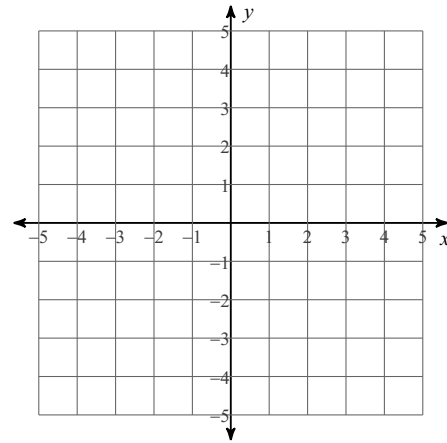
1)  $y < -\frac{2}{3}x + 1$

$y < \frac{2}{3}x - 3$



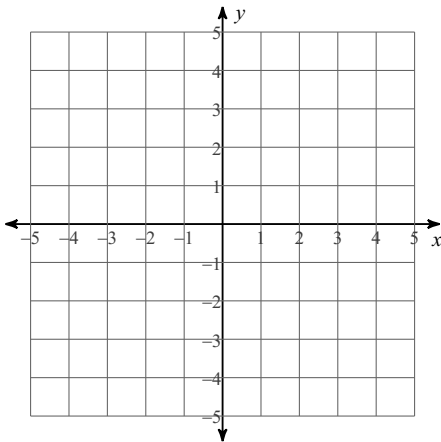
2)  $y \leq -\frac{5}{3}x + 3$

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



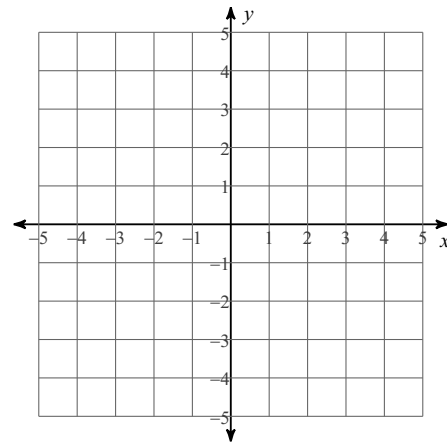
3)  $y \geq 4x - 3$

$y \geq -x + 2$



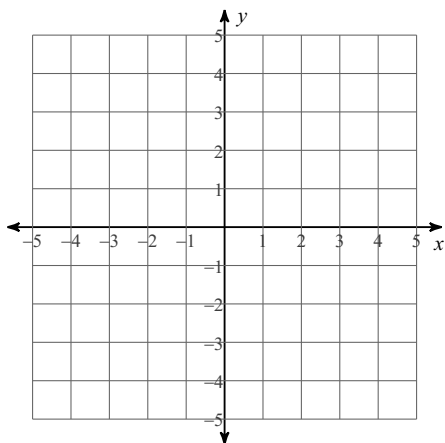
4)  $y < -\frac{1}{2}x - 1$

$y \leq -2x + 2$



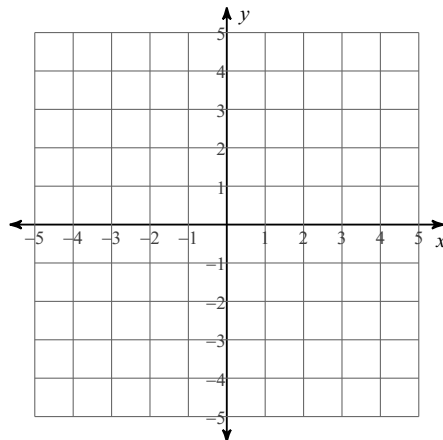
$$5) y < -\frac{1}{3}x - 2$$

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



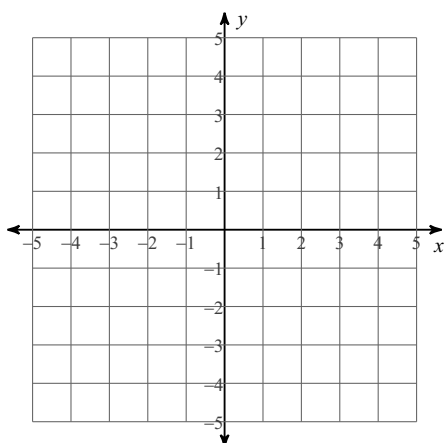
$$6) y \geq -x + 3$$

$$y \geq 2x - 3$$



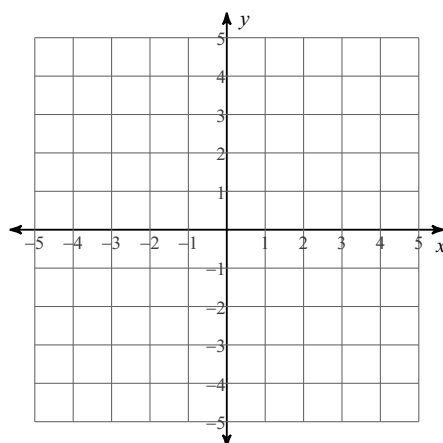
$$7) 5x + y \geq -3$$

$$x + y \leq 1$$



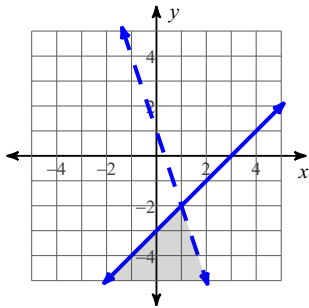
$$8) 5x + y > -2$$

$$x + y > 2$$

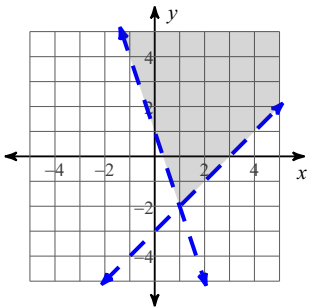


9)  $y \leq -2x - 1$   
 $y \leq -\frac{1}{2}x + 2$

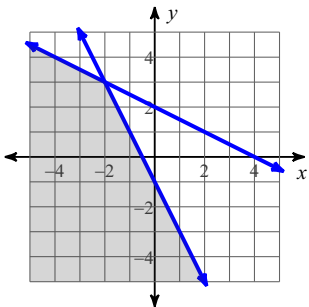
A)



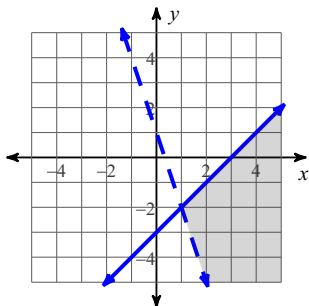
B)



C)

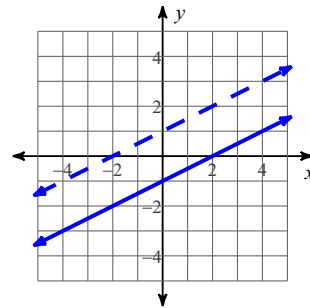


D)

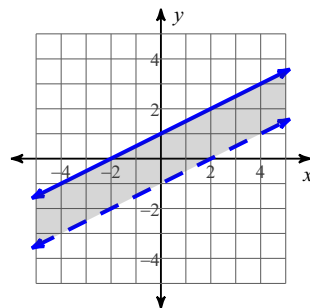


10)  $y \leq \frac{1}{2}x + 1$   
 $y > \frac{1}{2}x - 1$

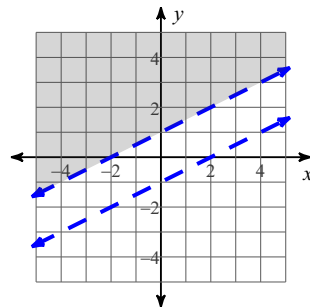
A)



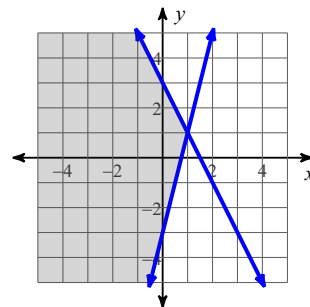
B)



C)

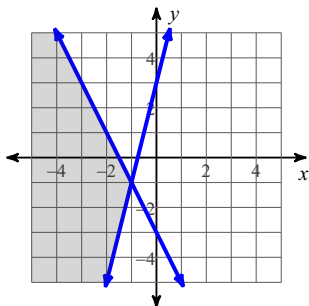


D)

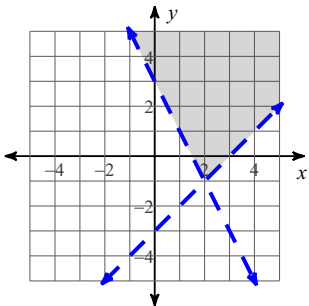


11)  $y > x - 3$   
 $y > -2x + 3$

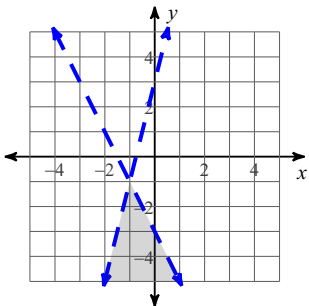
A)



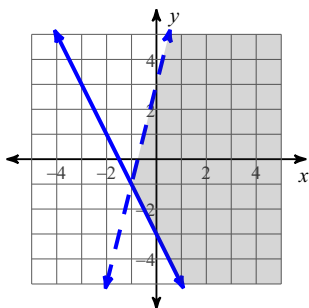
B)



C)

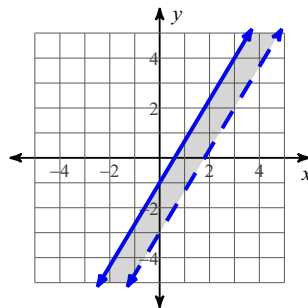


D)

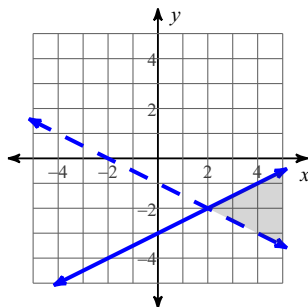


12)  $y \leq \frac{1}{2}x + 2$   
 $y \geq 3x - 3$

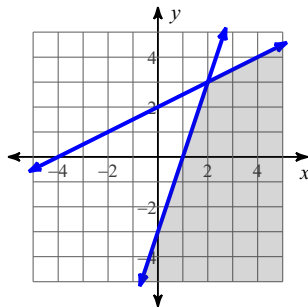
A)



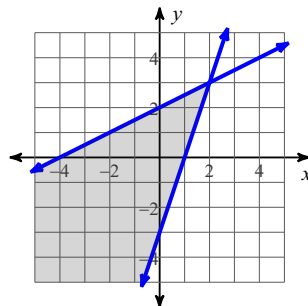
B)



C)

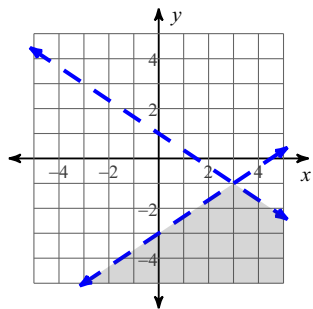


D)

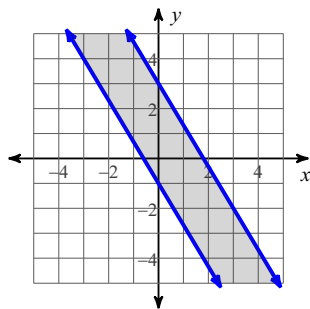


# Answers to Assignment (ID: 1)

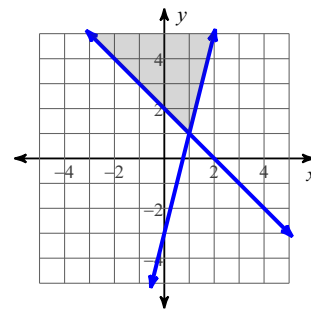
1)



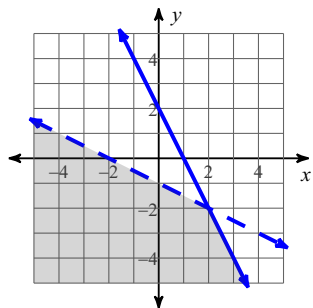
2)



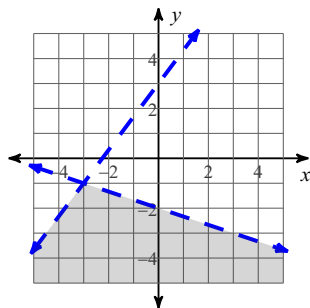
3)



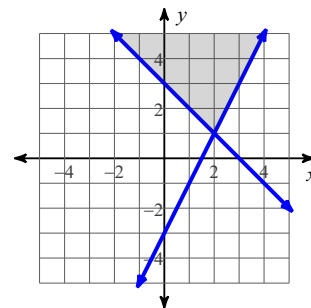
4)



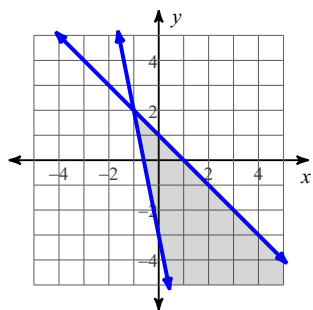
5)



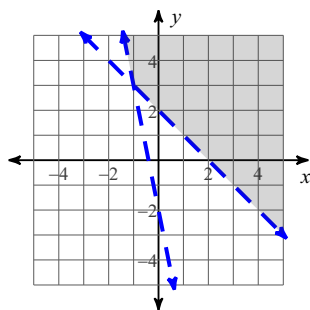
6)



7)



8)



9) C

10) B

11) B

12) D