

SATPREP
Assignment: Linear Inequalities

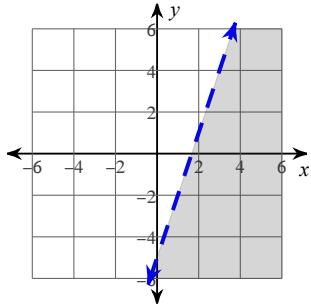
Name _____

Date _____

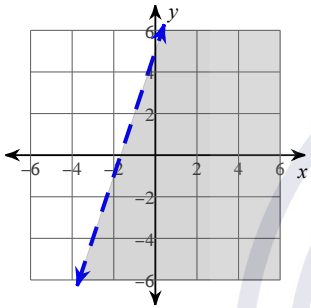
Sketch the graph of each linear inequality.

1) $y \geq 3x - 5$

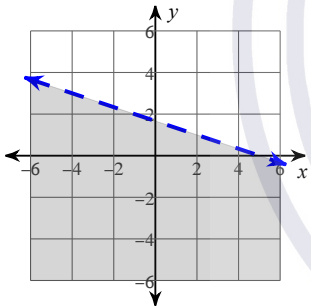
A)



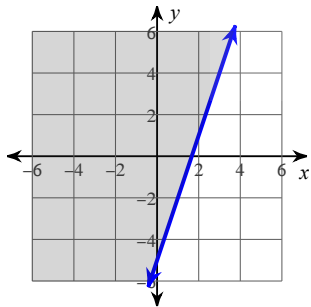
B)



C)

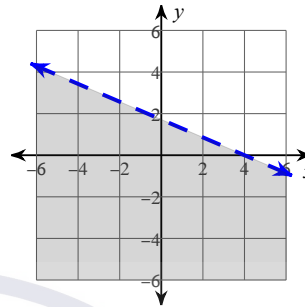


D)

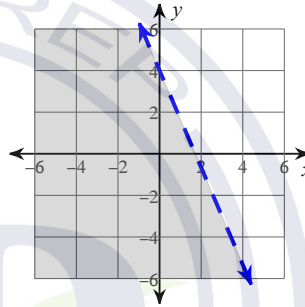


2) $y < -\frac{7}{3}x + 4$

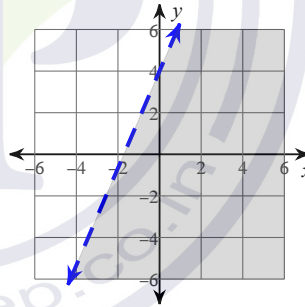
A)



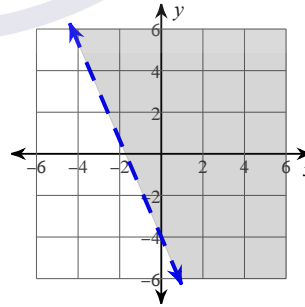
B)



C)

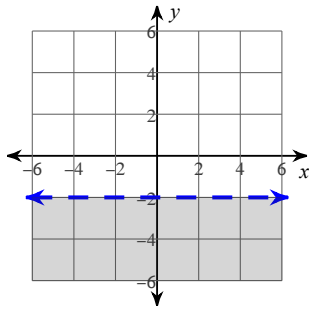


D)

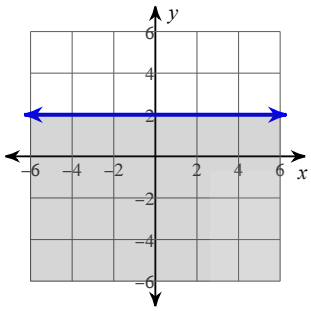


3) $y \leq 2$

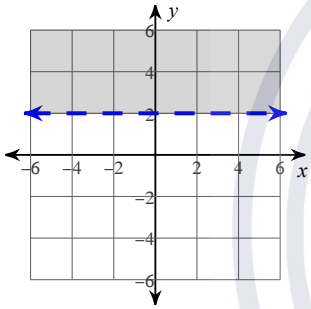
A)



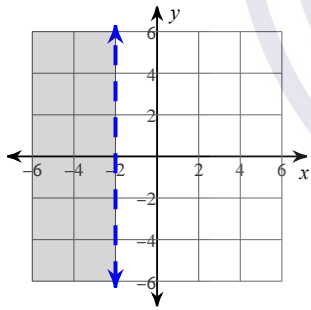
B)



C)

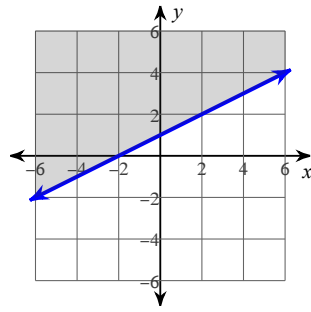


D)

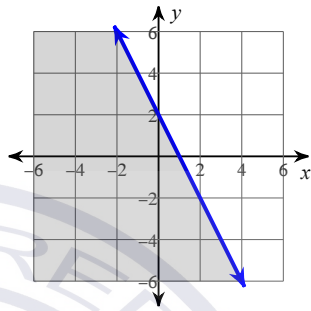


4) $2x + y \geq 2$

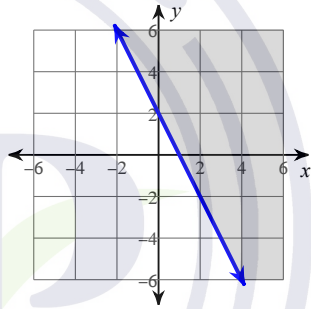
A)



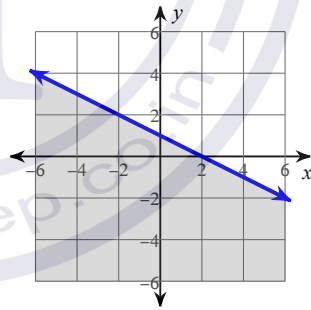
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C)

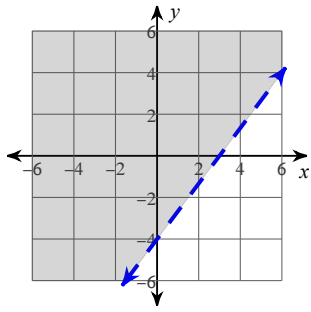


D)

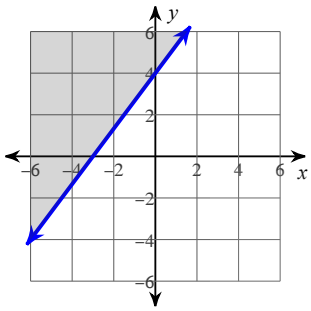


5) $4x - 3y \leq -12$

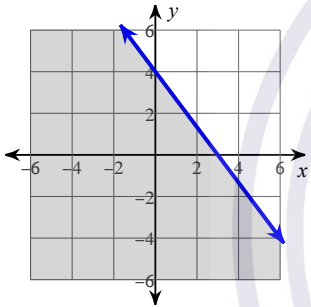
A)



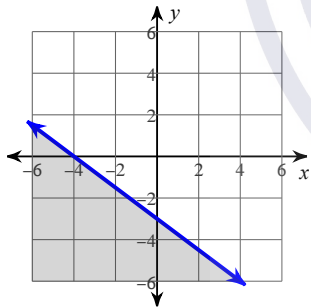
B)



C)

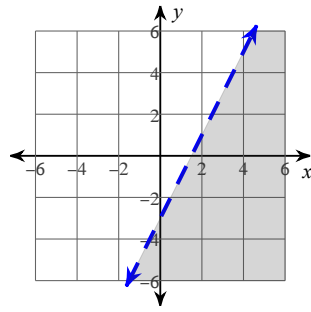


D)

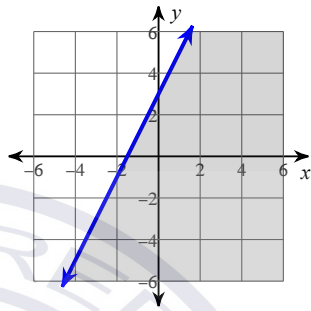


6) $2x - y > 3$

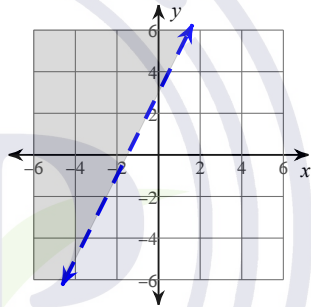
A)



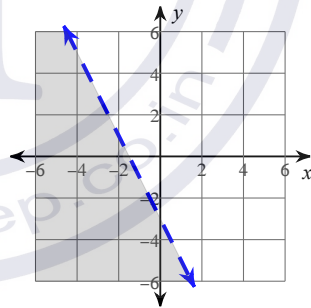
B)



C)



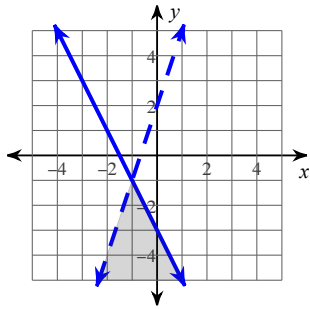
D)



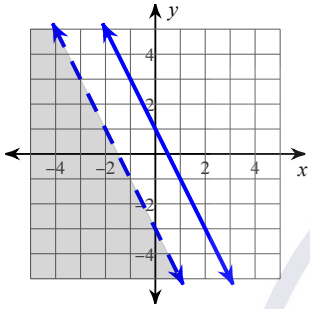
Sketch the solution to each system of inequalities.

7) $y > -2x + 3$
 $y \geq -2x - 2$

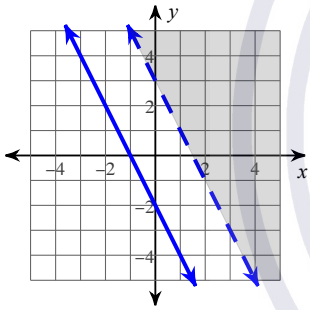
A)



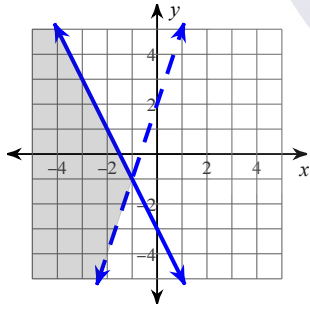
B)



C)

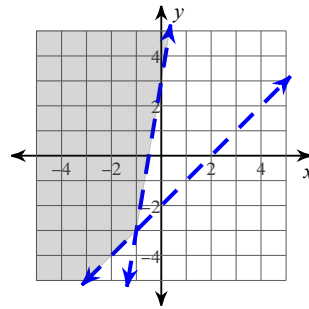


D)

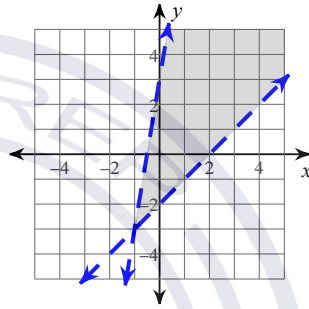


8) $y \geq \frac{1}{2}x - 1$
 $y \leq 2x + 2$

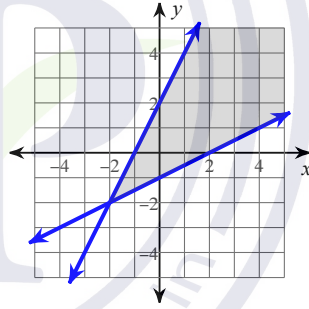
A)



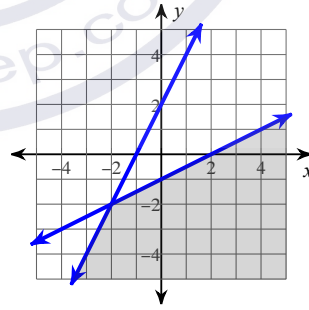
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C)

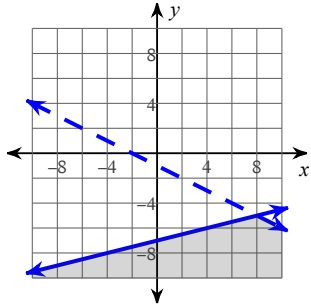


D)

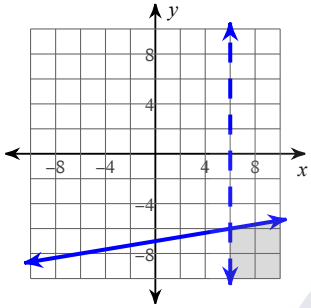


9) $x + 2y < -2$
 $x - 4y \leq 28$

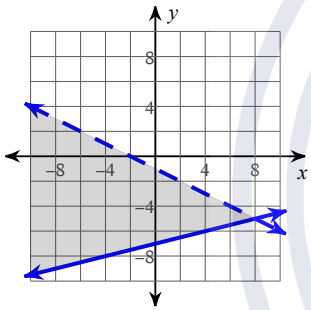
A)



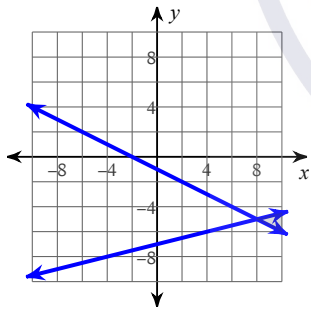
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C)

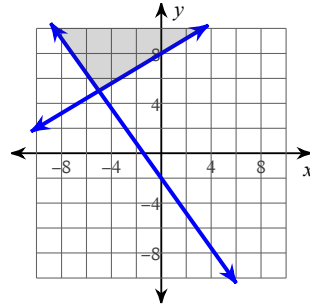


D)

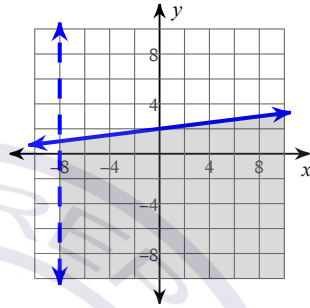


10) $7x + 5y \geq -10$
 $3x - 5y \leq -40$

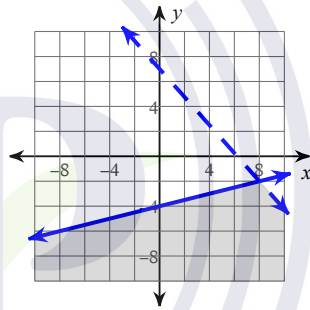
A)



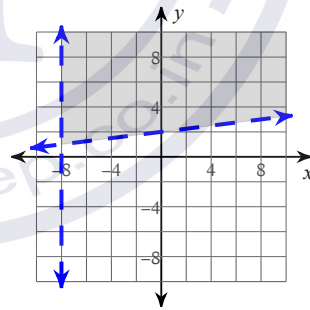
B)



C)



D)



Answers to Assignment (ID: 1)

1) D
5) B
9) C

2) B
6) A
10) A

3) B
7) C

4) C
8) C

