Pre-Algebra Name_____

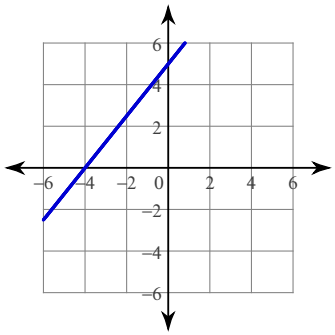
Chap 8 In Class Trial Test, Ver 1

Date_____ Period____

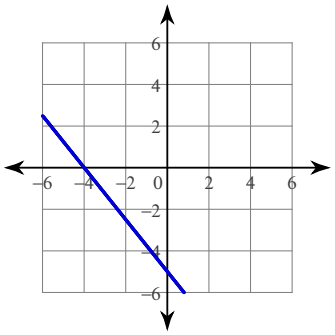
Sketch the graph of each line.

1) x-intercept = –4, y-intercept = 5

A)



B)



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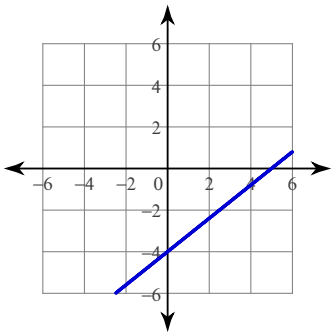
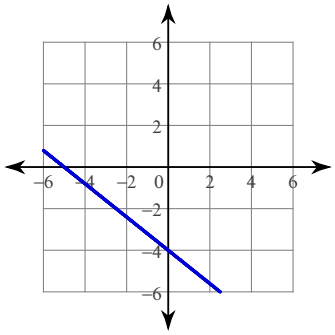
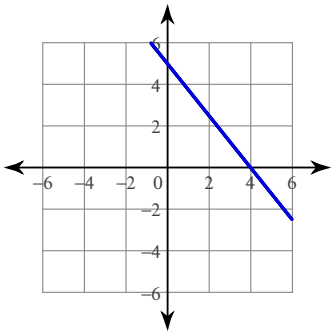


D)

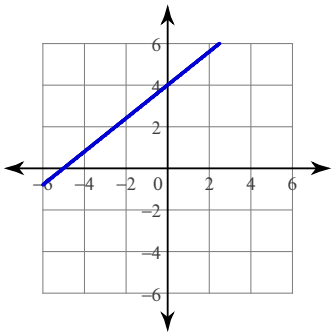


2) $y = \frac{4}{5}x - 4$

A)



B)



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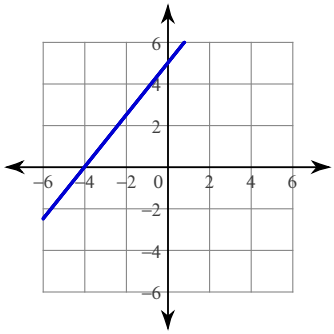

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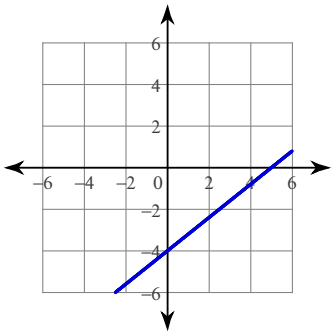
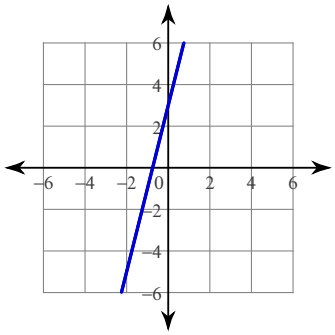


3) $y = x + 2$

A)



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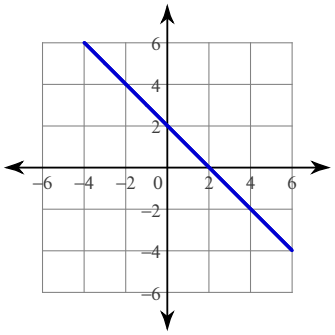

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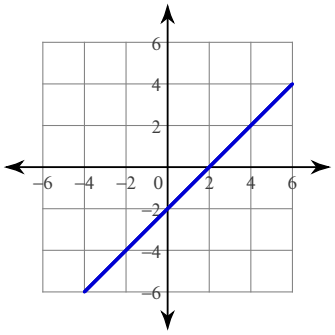
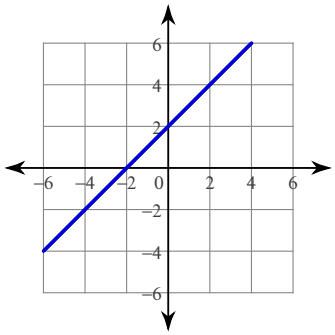
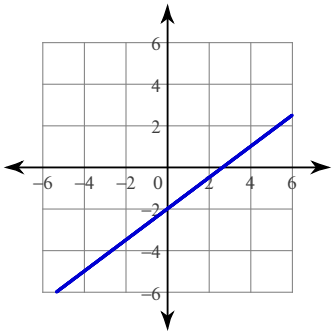


D)



4) $y = -\frac{3}{4}x - 2$

A)



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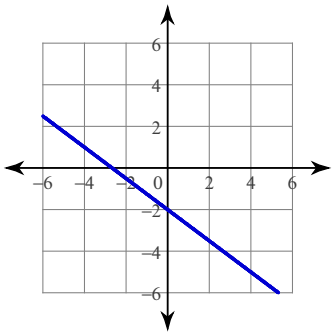

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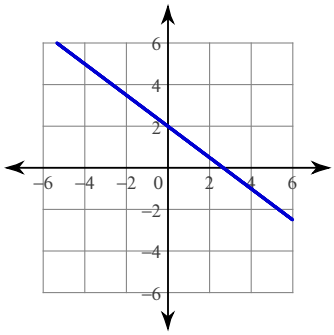
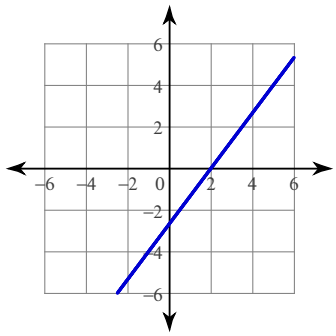
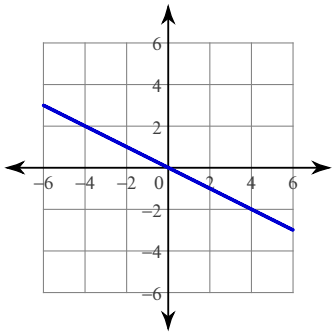


D)

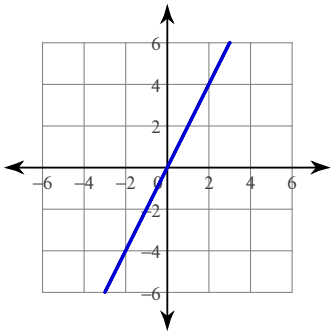


5) $2x + y = 0$

A)



B)



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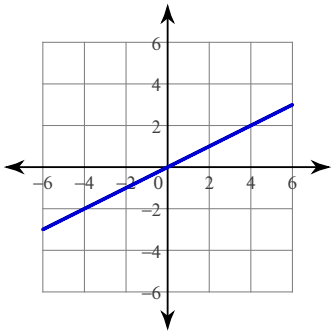
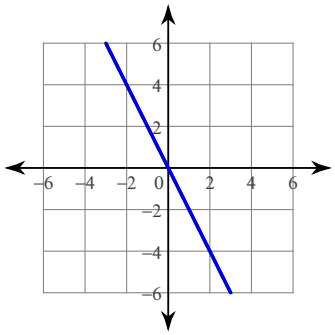


D)



Write the slope-intercept form of the equation of each line.

6) Slope $= \frac{7}{4}$, y-intercept $= 2$

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

B) $y = \frac{7}{4}x + 2$

C) $y = -\frac{7}{4}x + 2$

D) $y = \frac{1}{4}x + 2$

7) $x + 4y = 12$

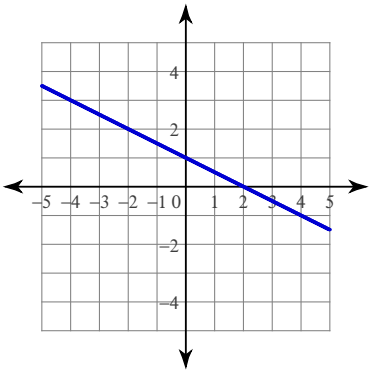
A) $y = \frac{1}{4}x + 3$

B) $y = 3x - \frac{3}{4}$

C) $y = -\frac{3}{4}x + 3$

D) $y = -\frac{1}{4}x + 3$

8)



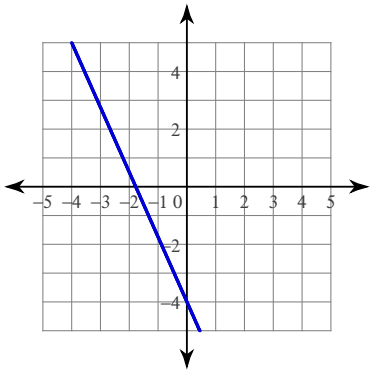
A) $y = -x + 1$

B) $y = -\frac{1}{2}x + 1$

C) $y = \frac{1}{2}x + 1$

D) $y = x + 1$

9)



A) $y = -4x + \frac{1}{4}$

B) $y = -\frac{1}{4}x - 4$

C) $y = -\frac{9}{4}x - 4$

D) $y = \frac{1}{4}x - 4$

Solve each system by graphing.

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

$y = \frac{1}{2}x + 3$

A) $(4, 2)$ B) $(-4, 2)$

C) $(-2, 4)$ D) $(2, 4)$

11) $y = -\frac{7}{4}x - 3$

$y = -\frac{1}{2}x + 2$

A) $(2, 3)$ B) $(-3, 3)$

C) $(-4, 4)$ D) $(-4, 3)$

12) $x + y = 3$

$x - y = -1$

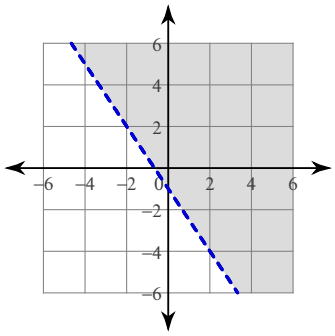
A) $(-1, -2)$ B) $(1, -2)$

C) $(-1, 2)$ D) $(1, 2)$

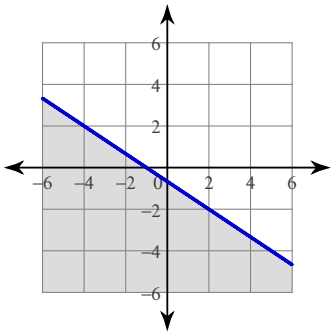
Sketch the graph of each linear inequality.

13) $y > -\frac{3}{2}x - 1$

A)



B)



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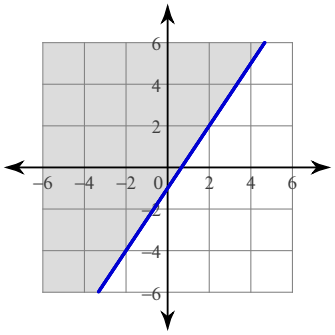
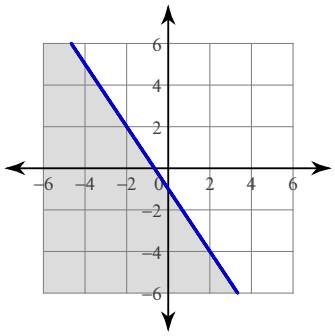
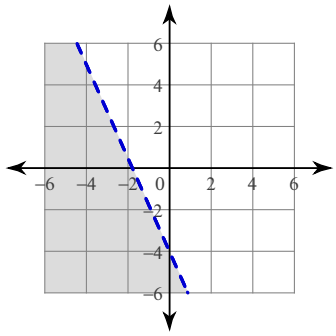


D)

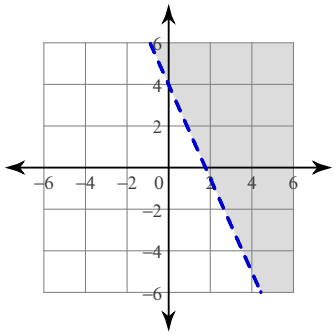


14) $y \geq -\frac{9}{4}x - 4$

A)



B)



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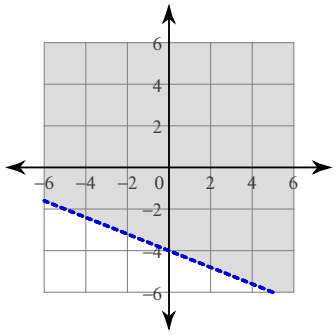
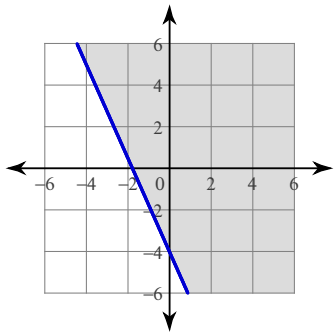
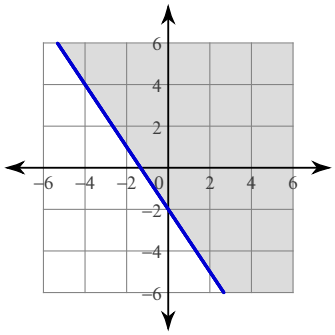


D)



15) $3x + 2y \geq -4$

A)



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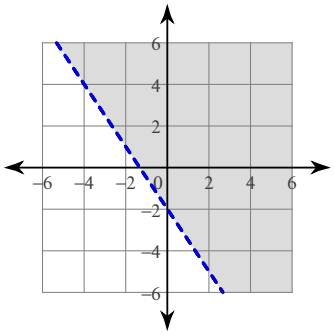
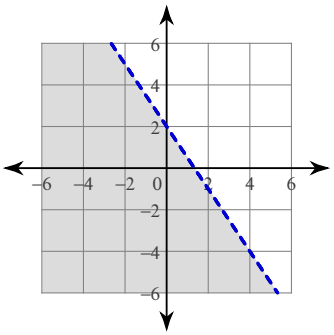
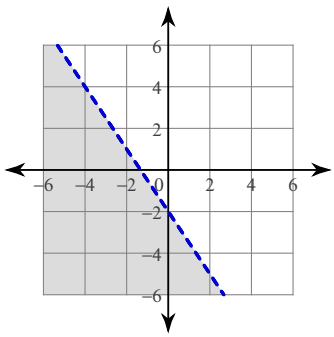


C)



D)



Pre-Algebra Name_____

Chap 8 In Class Trial Test, Ver 1

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Sketch the graph of each line.

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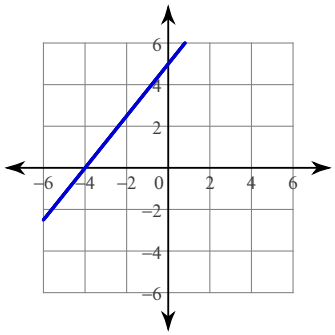
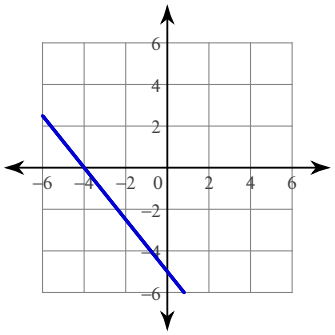
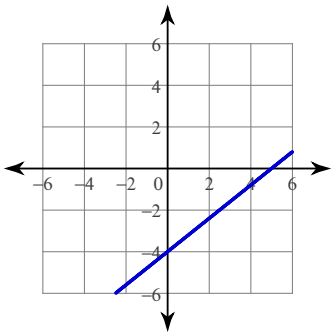
*A)



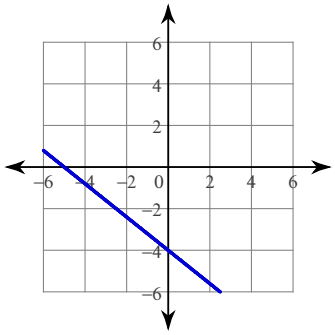
B)



C)

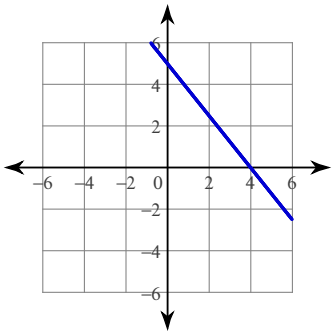


D)

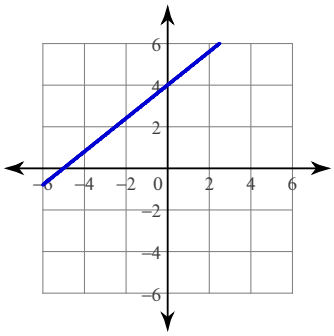


2) $y = \frac{4}{5}x - 4$

A)



B)



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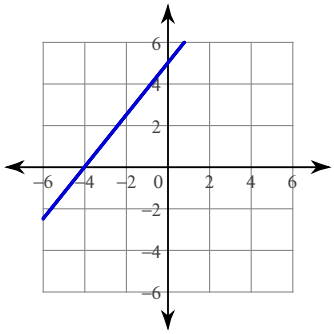
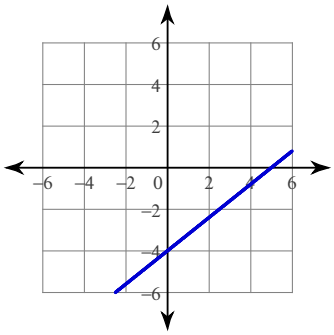
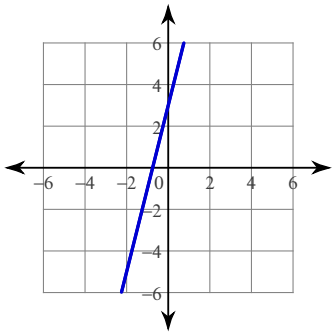


*D)

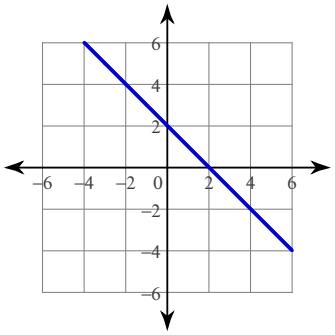


3) $y = x + 2$

A)



B)



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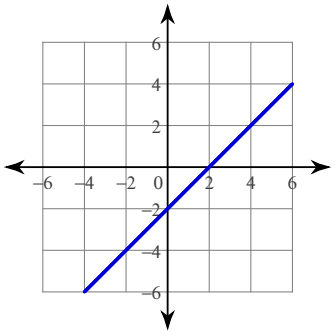
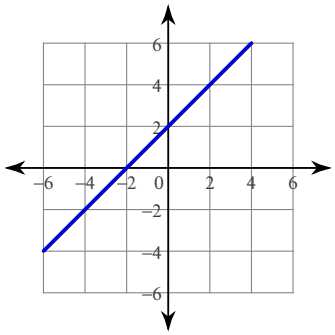
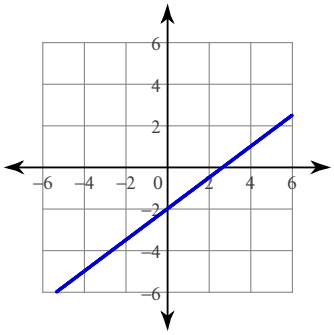


*D)



4) $y = -\frac{3}{4}x - 2$

A)



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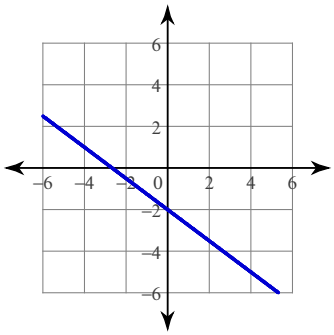
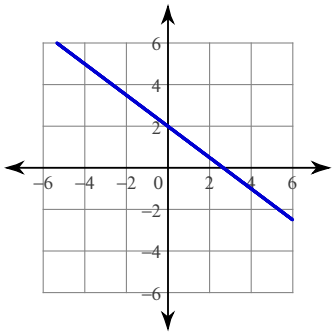
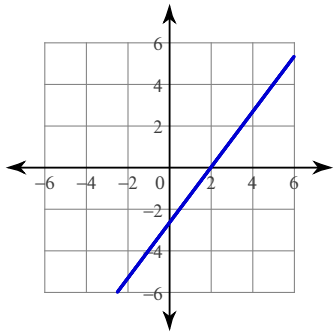


C)

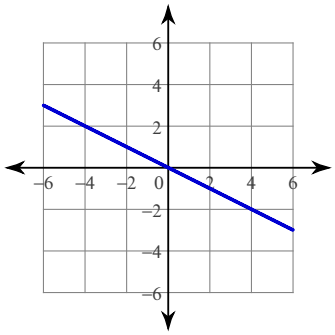


D)

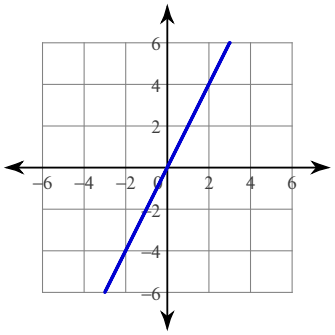


5) $2x + y = 0$

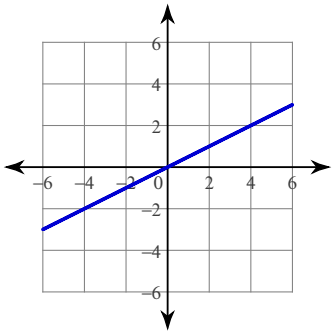
A)



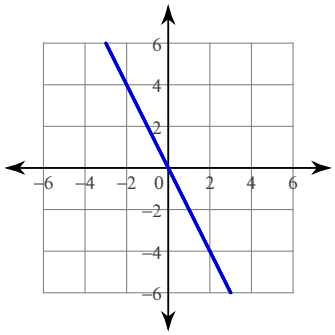
B)



C)



*D)



Write the slope-intercept form of the equation of each line.

6) Slope $= \frac{7}{4}$, y-intercept $= 2$

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

*B) $y = \frac{7}{4}x + 2$

C) $y = -\frac{7}{4}x + 2$

D) $y = \frac{1}{4}x + 2$

7) $x + 4y = 12$

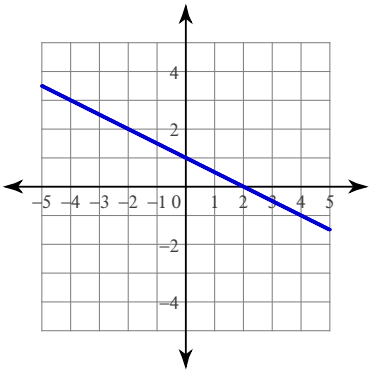
A) $y = \frac{1}{4}x + 3$

B) $y = 3x - \frac{3}{4}$

C) $y = -\frac{3}{4}x + 3$

*D) $y = -\frac{1}{4}x + 3$

8)



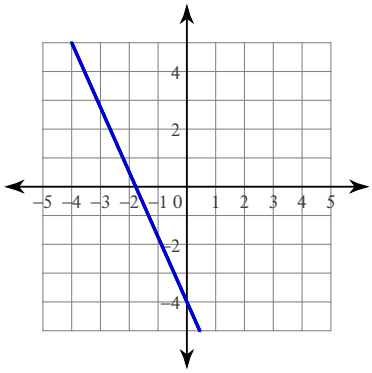
A) $y = -x + 1$

*B) $y = -\frac{1}{2}x + 1$

C) $y = \frac{1}{2}x + 1$

D) $y = x + 1$

9)



A) $y = -4x + \frac{1}{4}$

B) $y = -\frac{1}{4}x - 4$

*C) $y = -\frac{9}{4}x - 4$

D) $y = \frac{1}{4}x - 4$

Solve each system by graphing.

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

$y = \frac{1}{2}x + 3$

A) $(4, 2)$ B) $(-4, 2)$

C) $(-2, 4)$ *D) $(2, 4)$

11) $y = -\frac{7}{4}x - 3$

$y = -\frac{1}{2}x + 2$

A) $(2, 3)$ B) $(-3, 3)$

*C) $(-4, 4)$ D) $(-4, 3)$

12) $x + y = 3$

$x - y = -1$

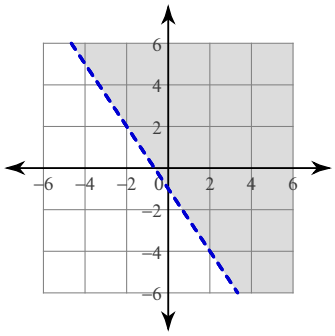
A) $(-1, -2)$ B) $(1, -2)$

C) $(-1, 2)$ *D) $(1, 2)$

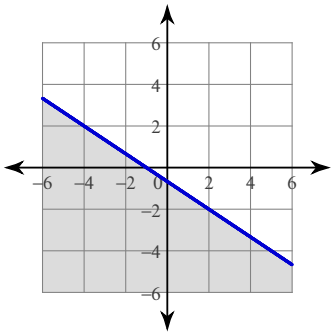
Sketch the graph of each linear inequality.

13) $y > -\frac{3}{2}x - 1$

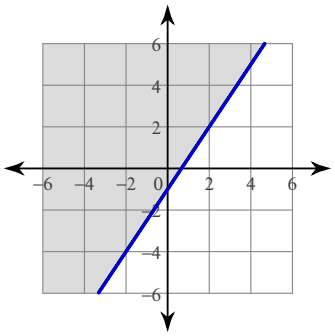
*A)



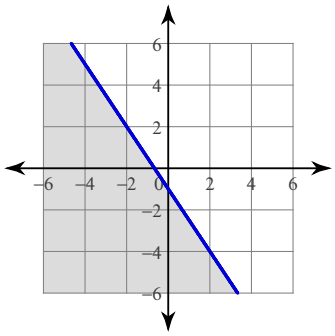
B)



C)

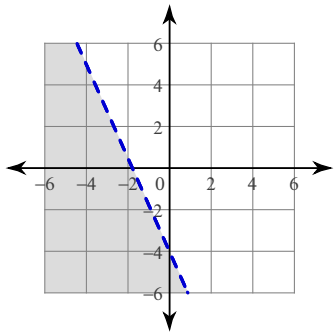


D)



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

A)



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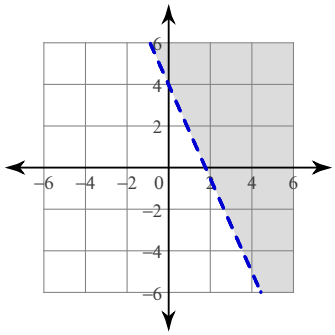
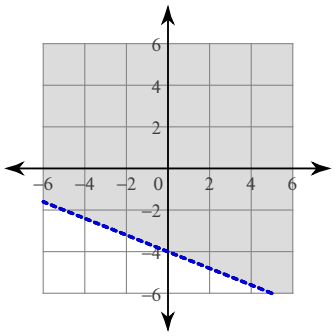
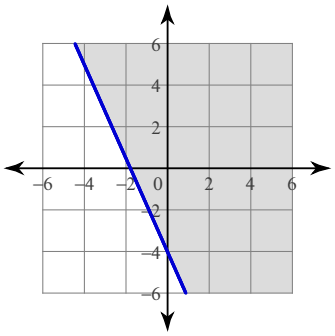


C)

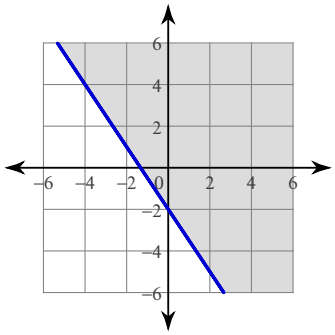


*D)

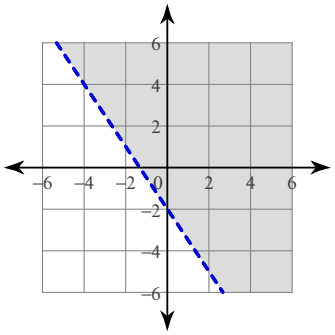


15) $3x + 2y \geq -4$

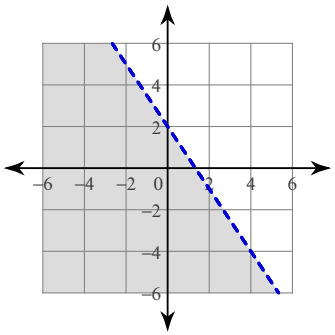
*A)



B)



C)



D)