

Algebra II

Lesson #2 Unit 4

Class Worksheet #2

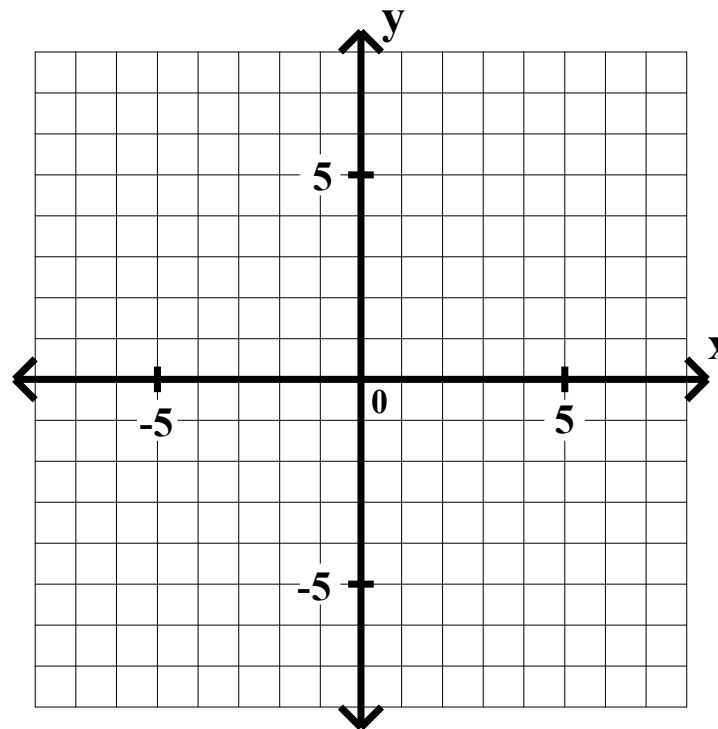
For Worksheet #2

Algebra II CWS #2 Unit 4

Compound Inequalities with Two Variables

Graph the solution set of each of the following compound inequalities.
Find the coordinates of any vertex.

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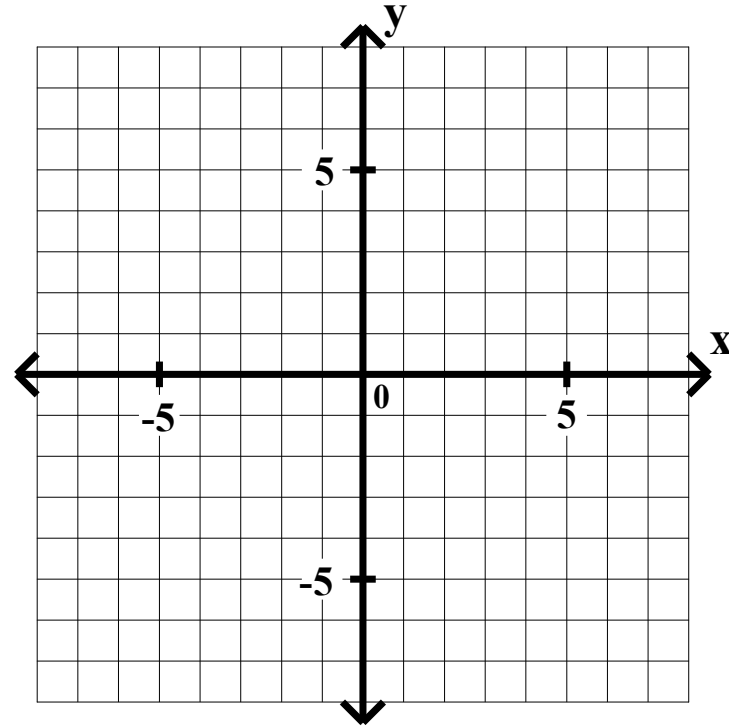


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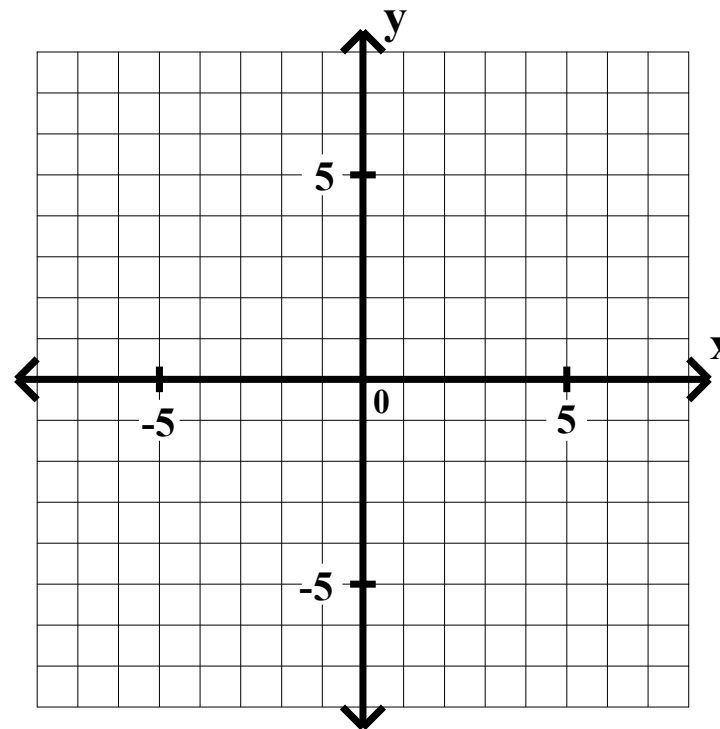
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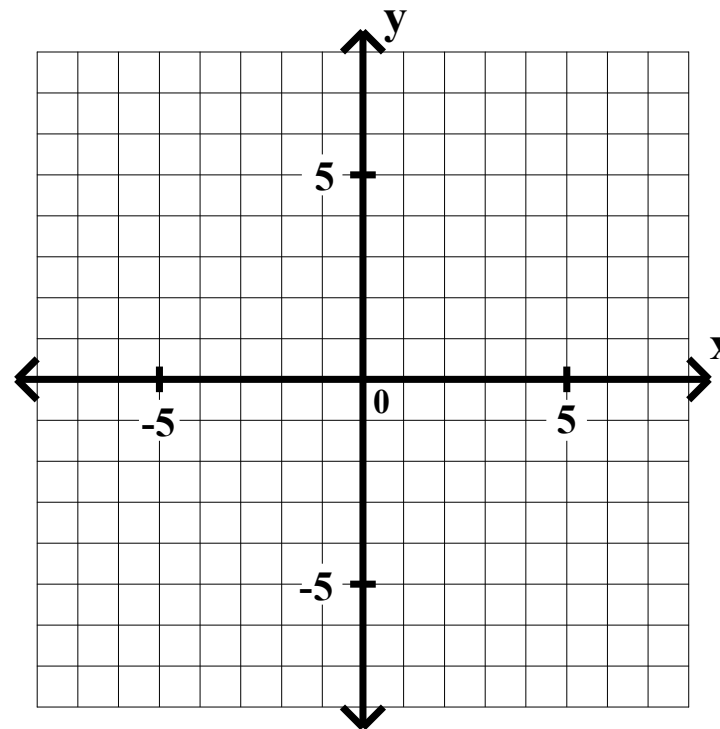
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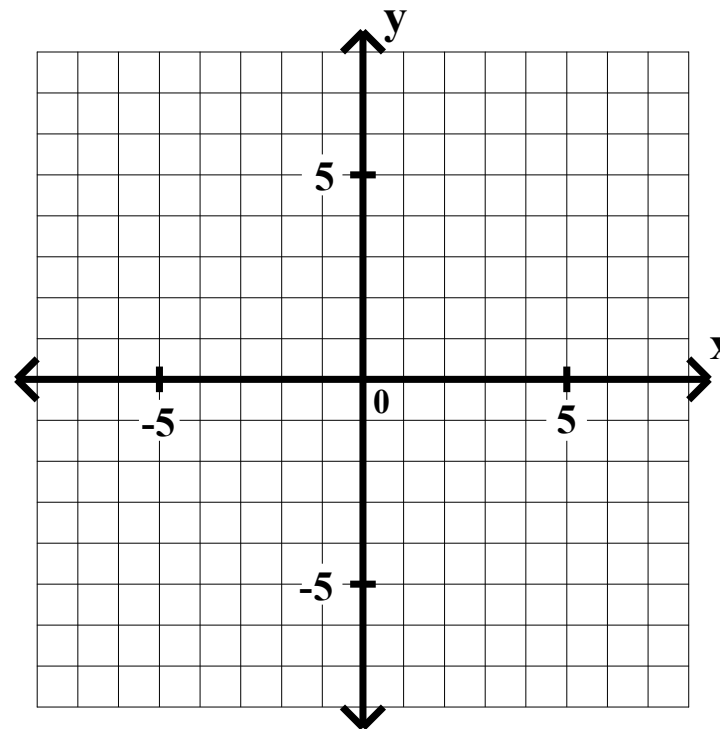
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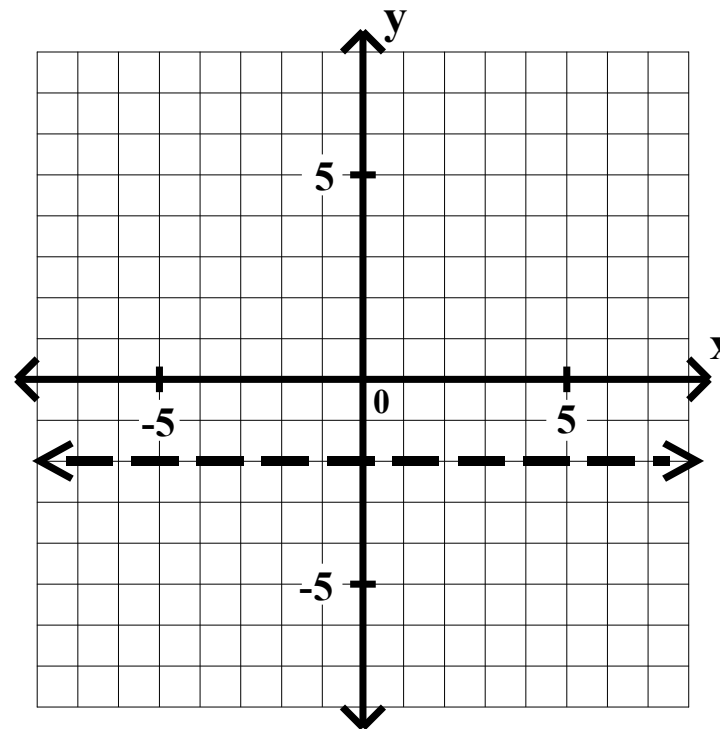
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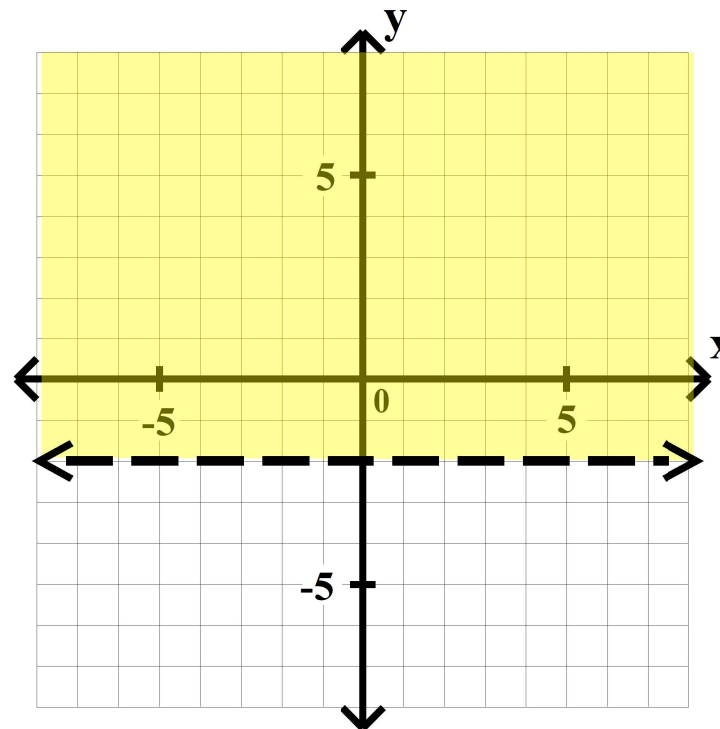
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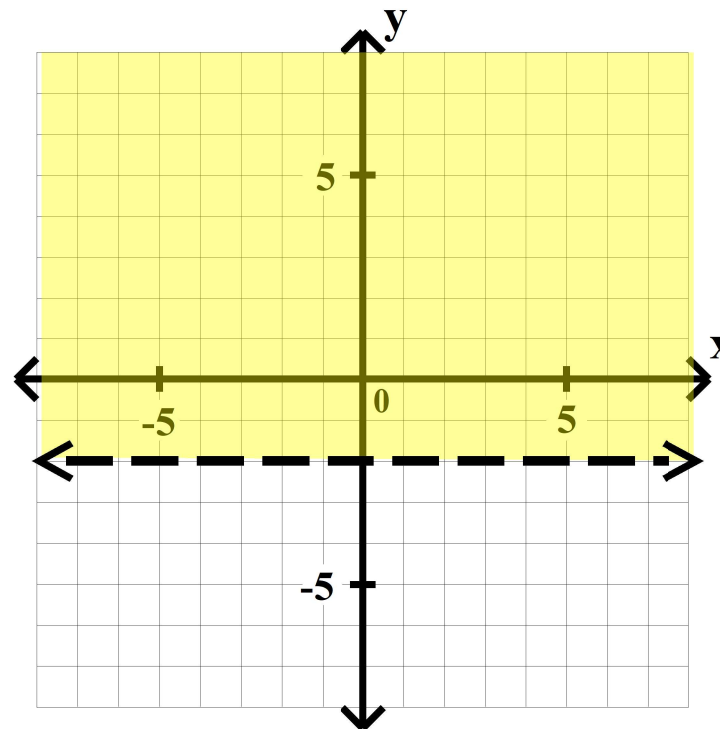
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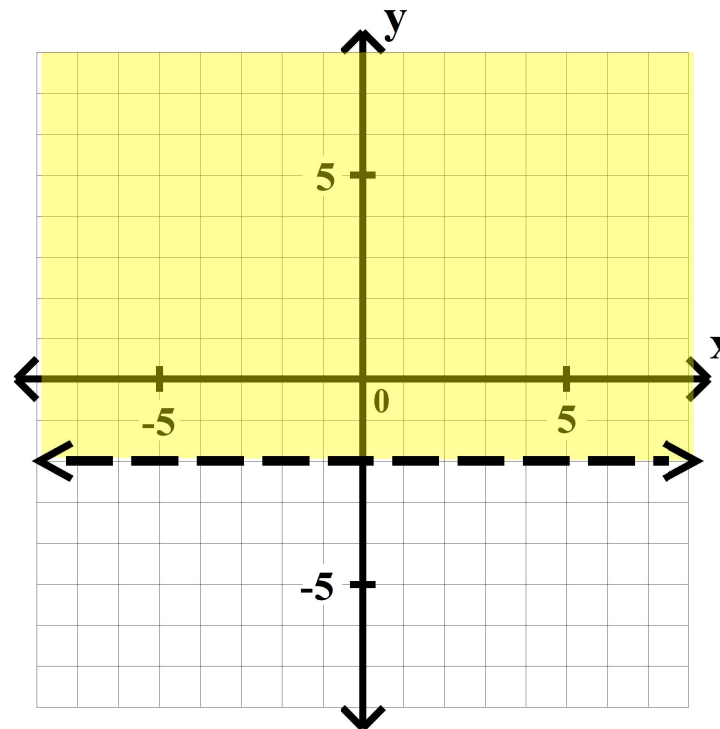
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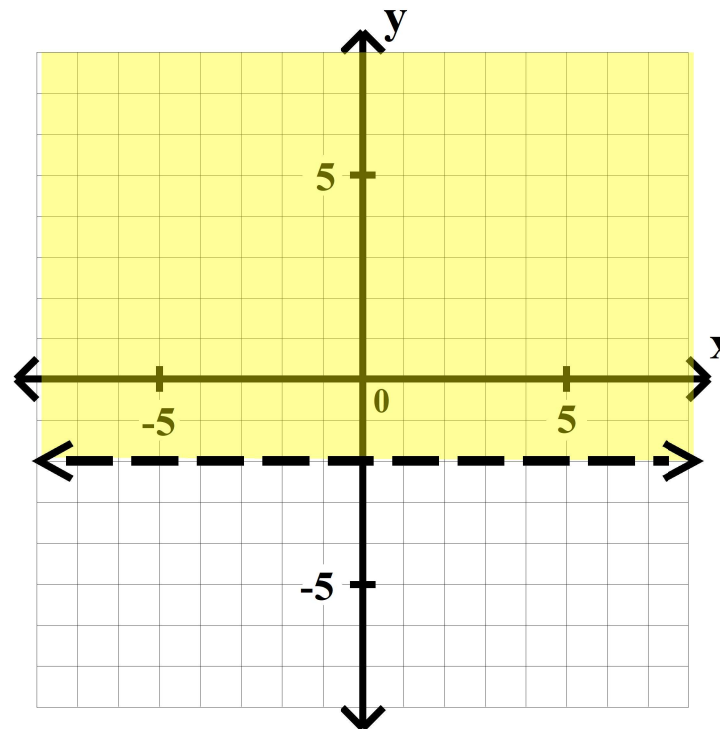
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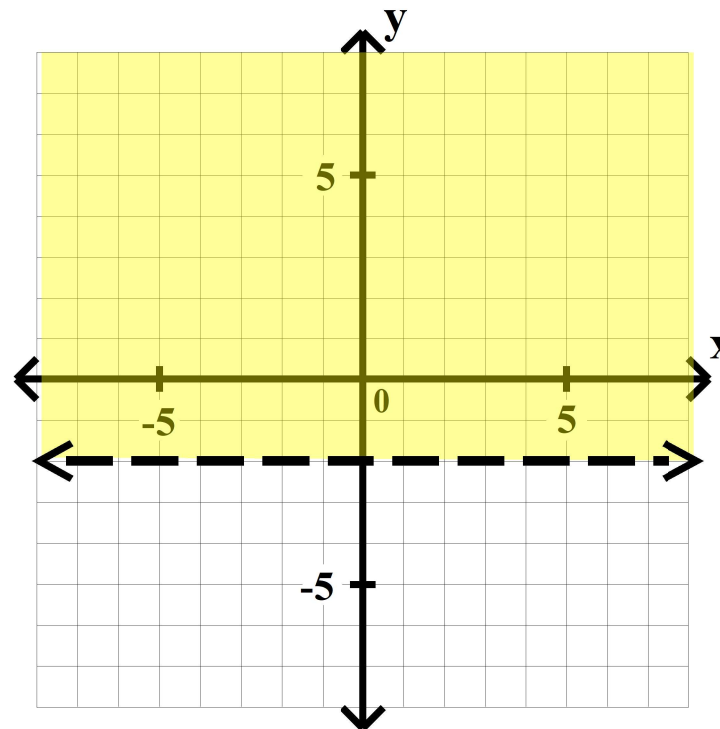
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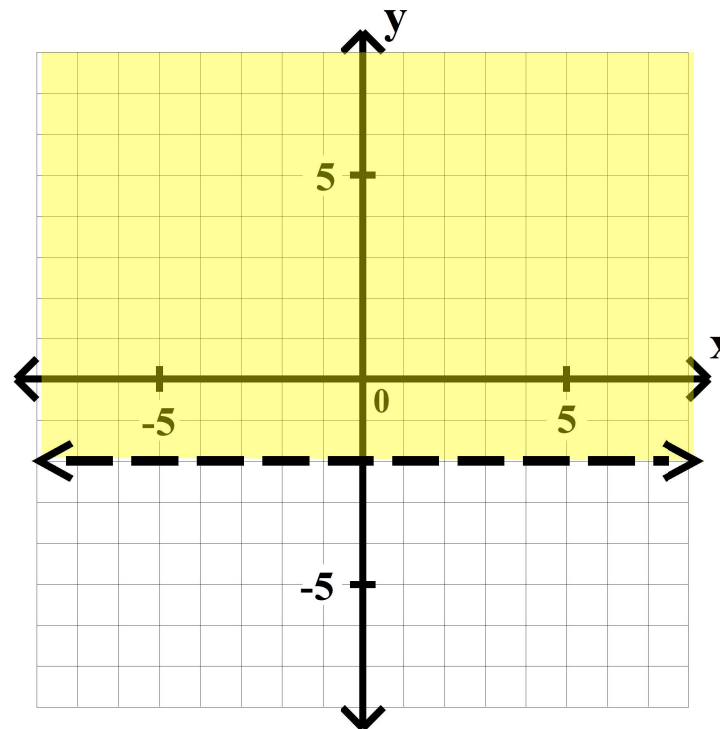
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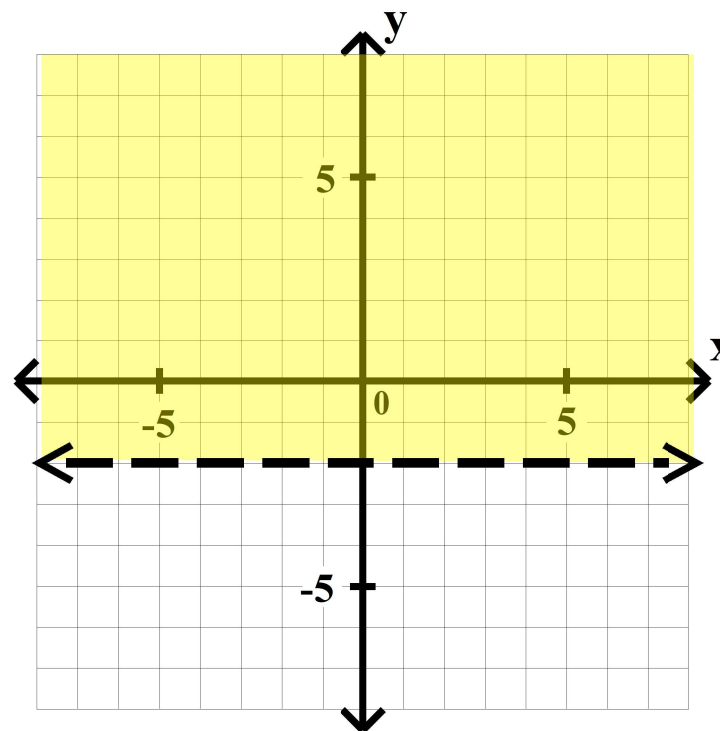
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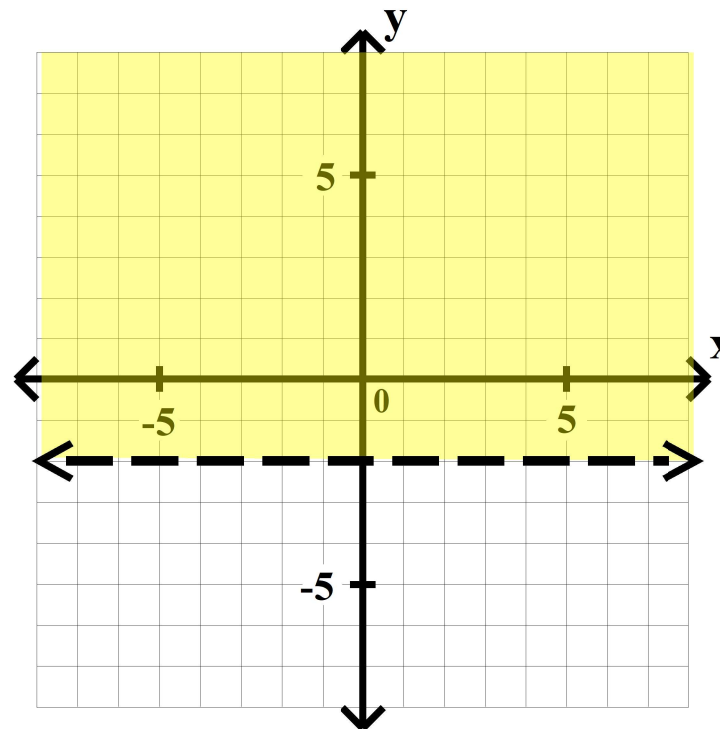
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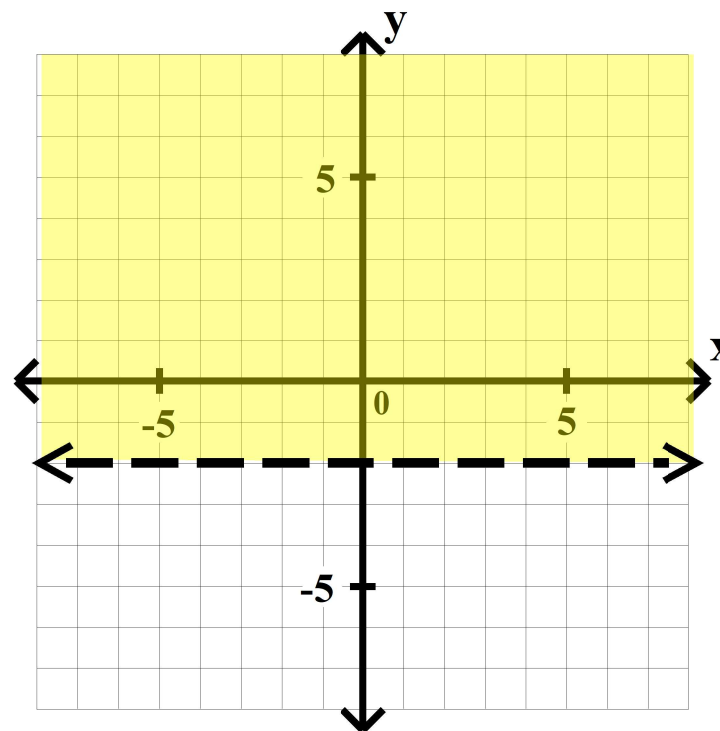
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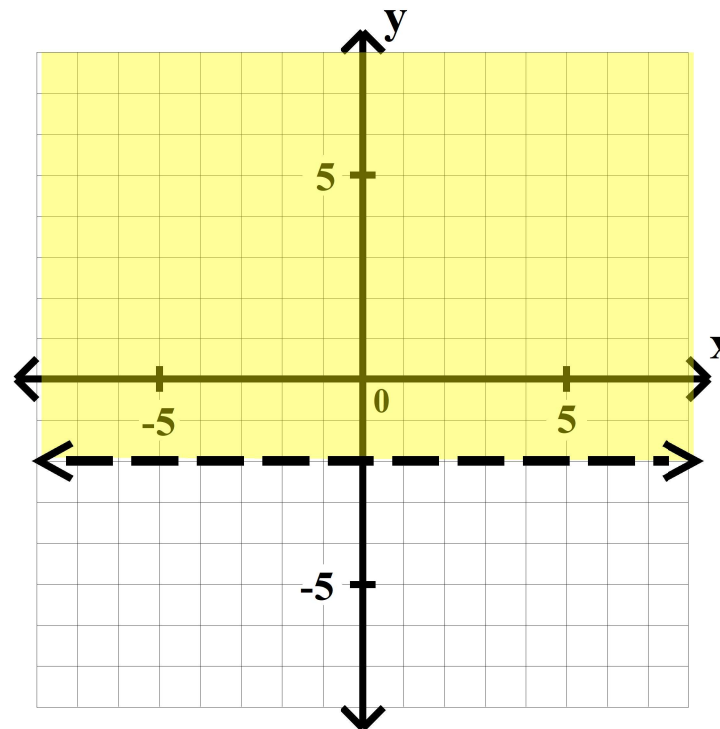
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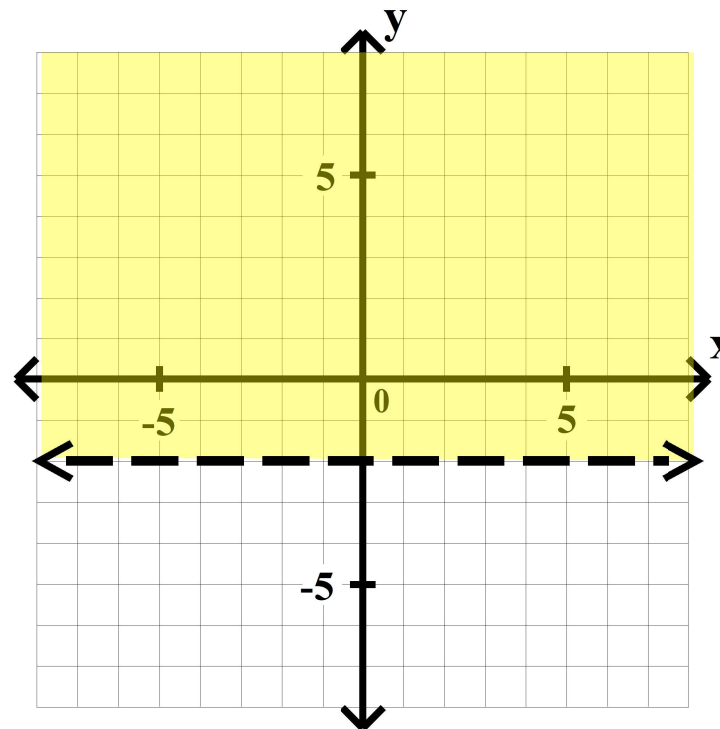
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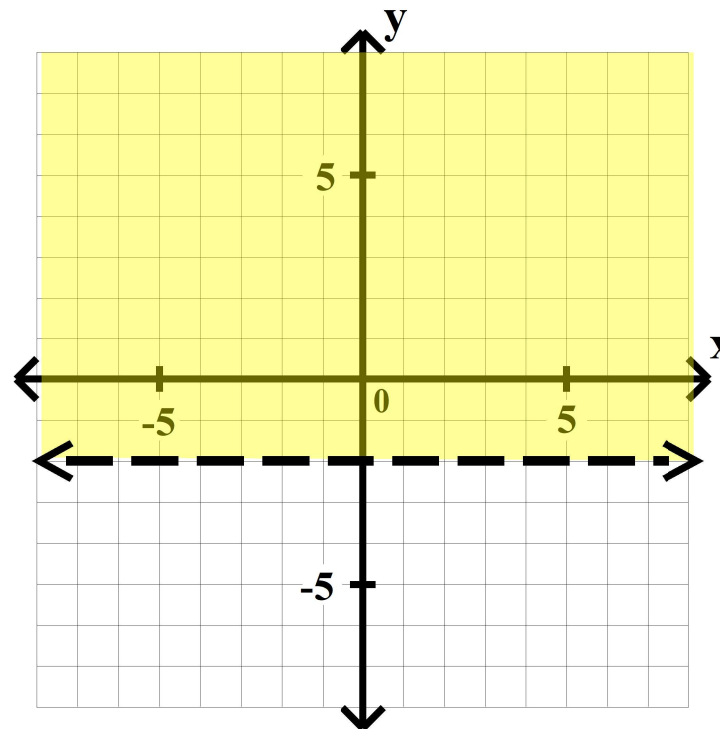
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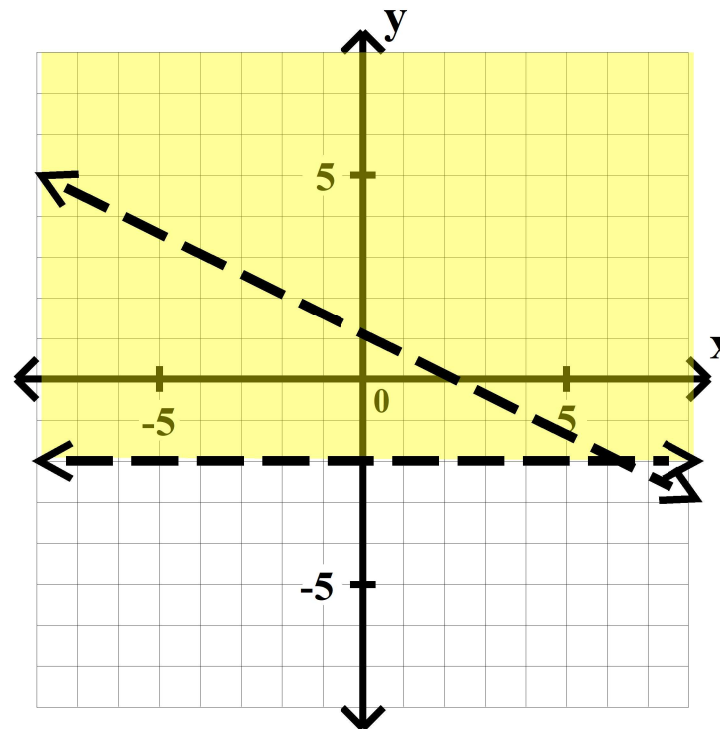
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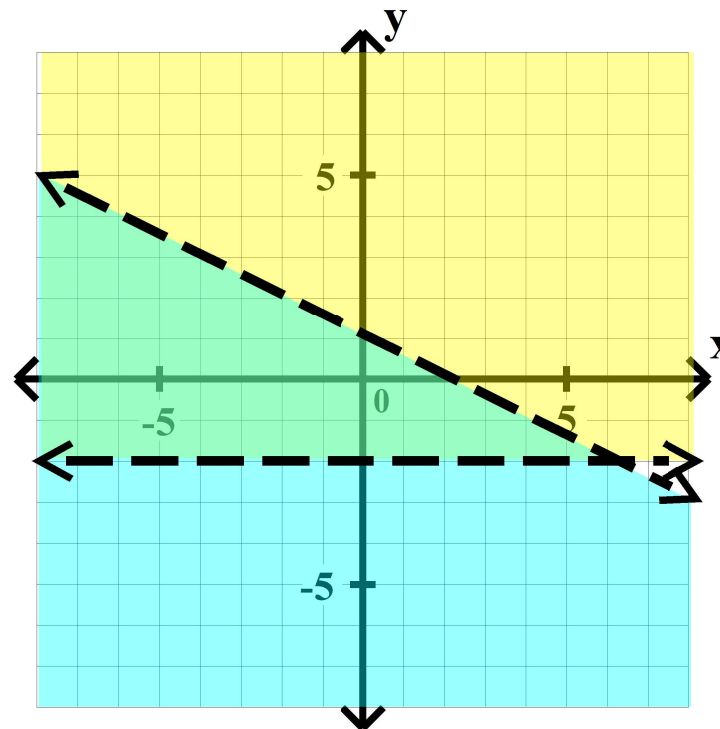
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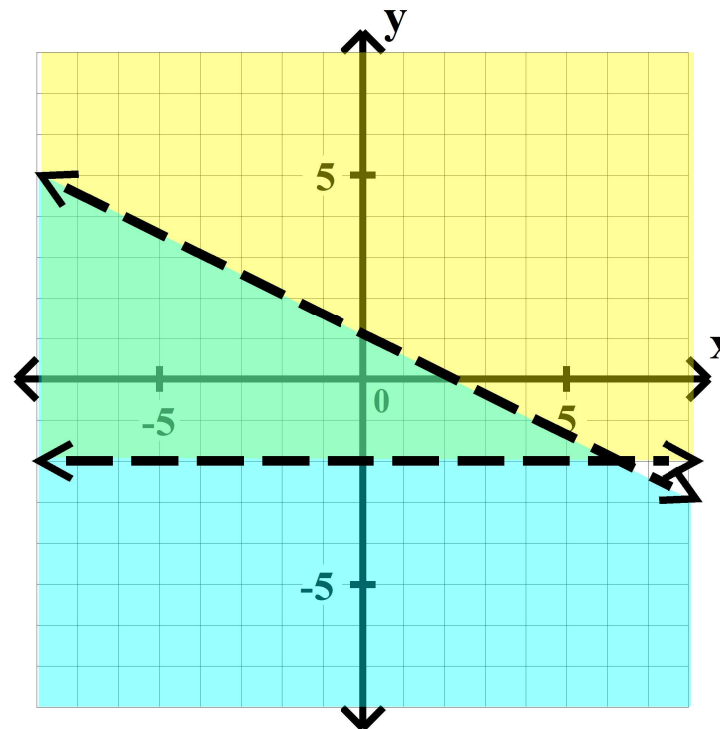
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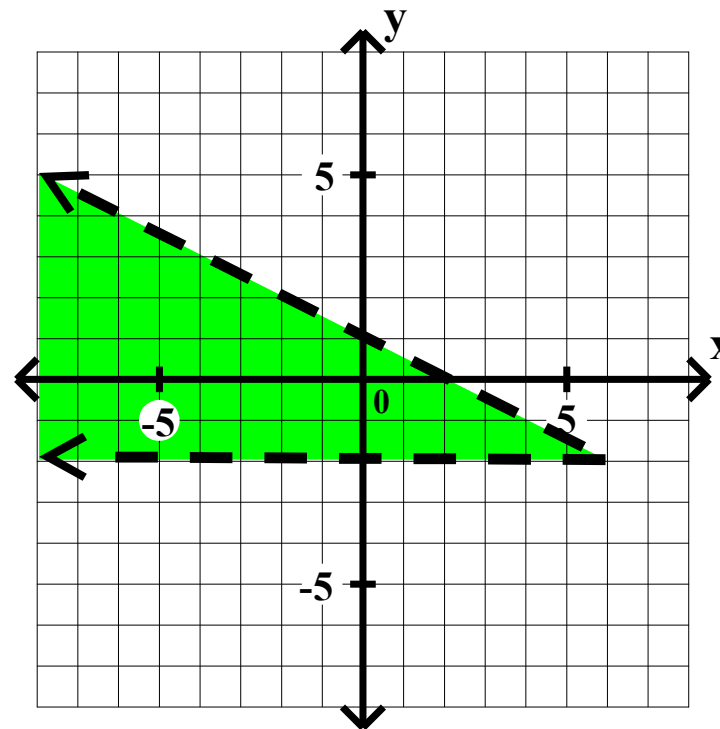
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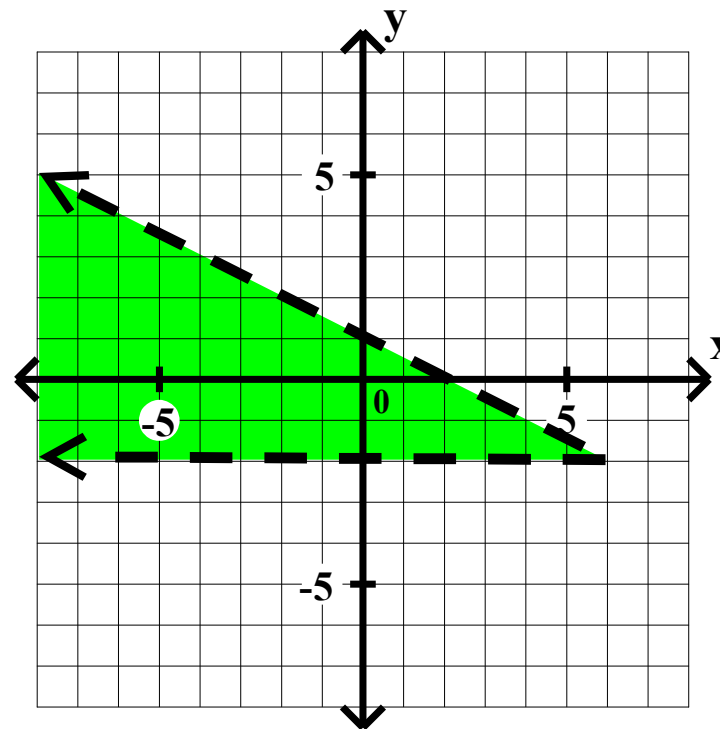
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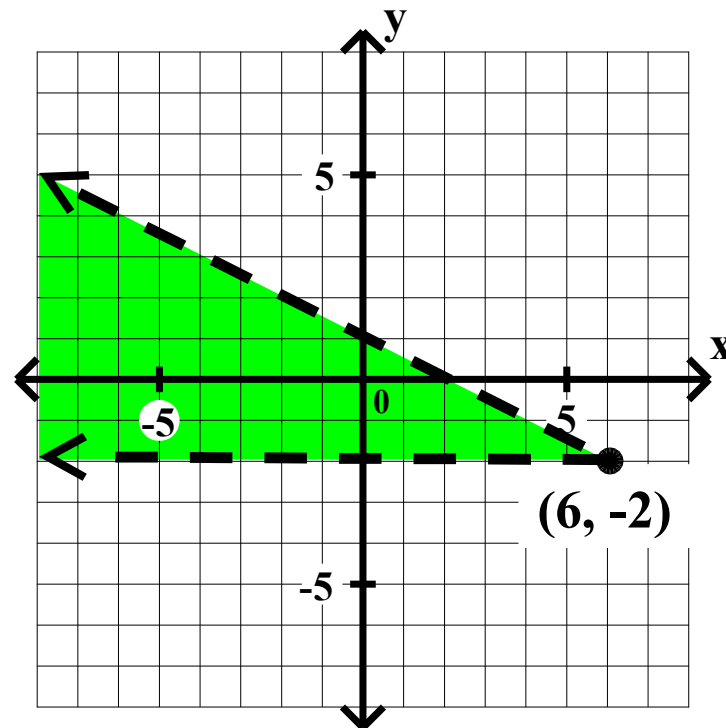
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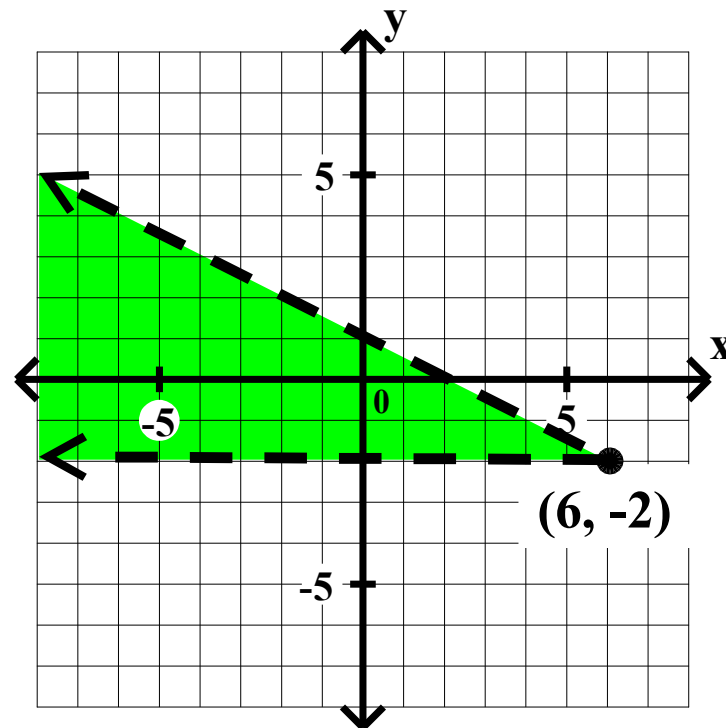
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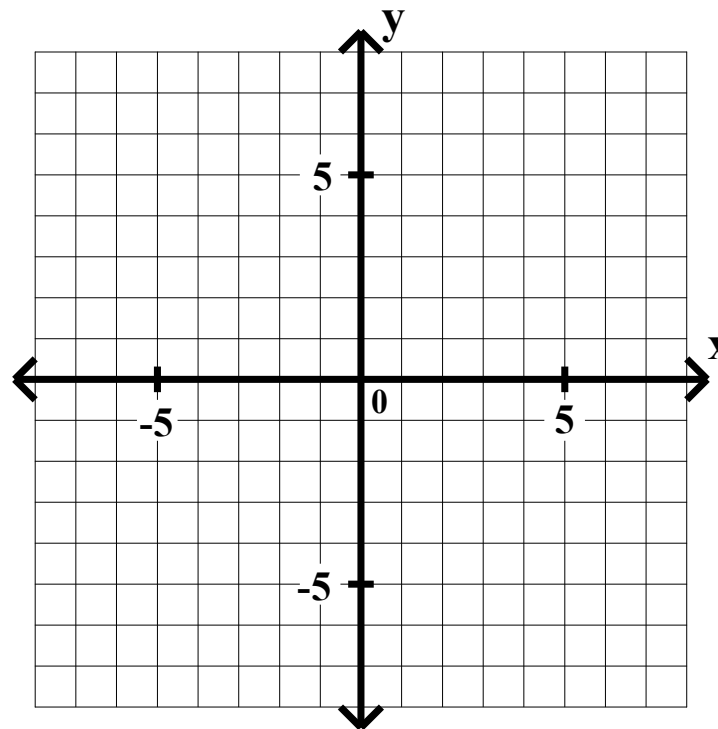
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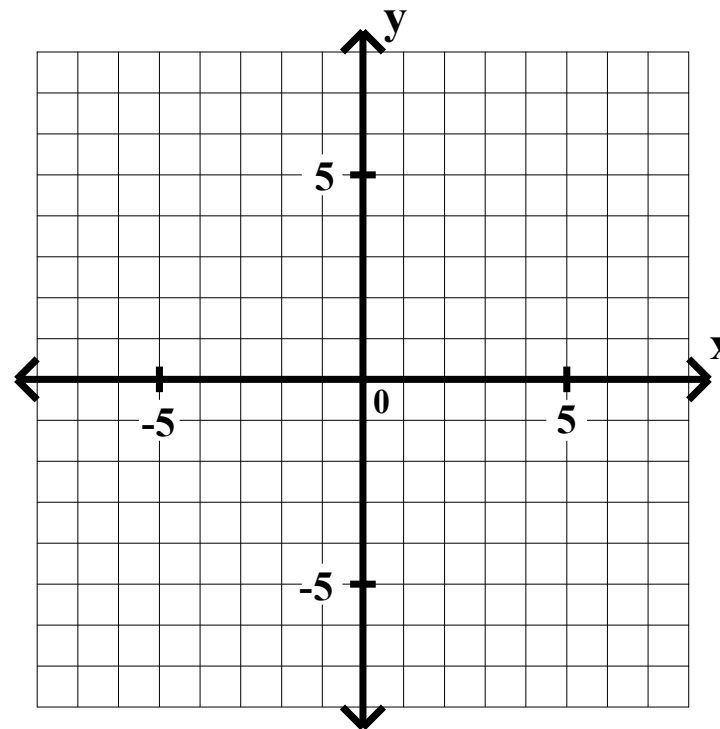


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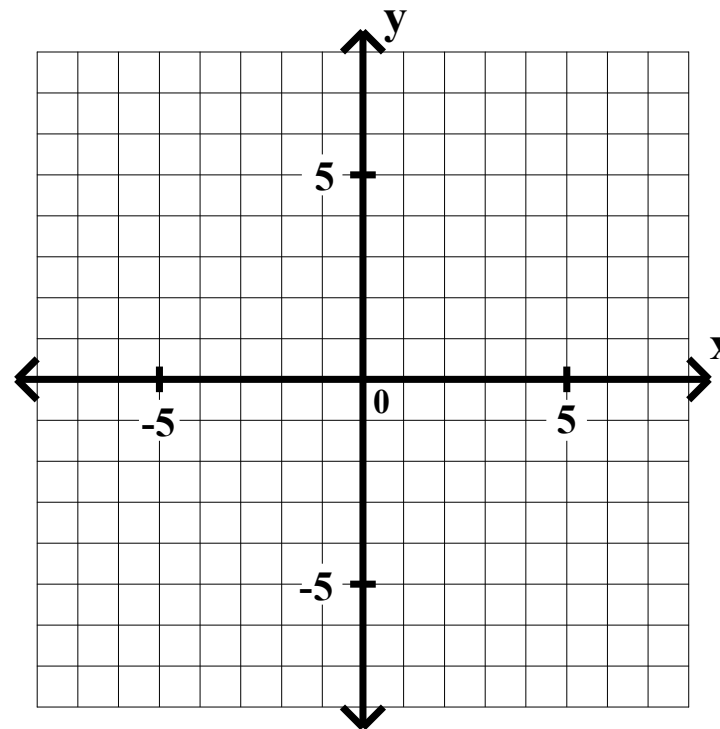
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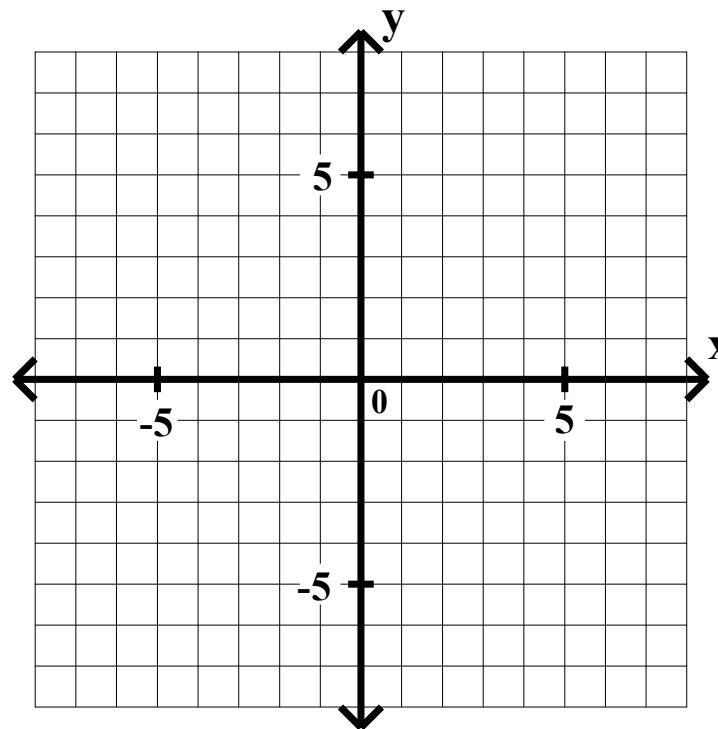
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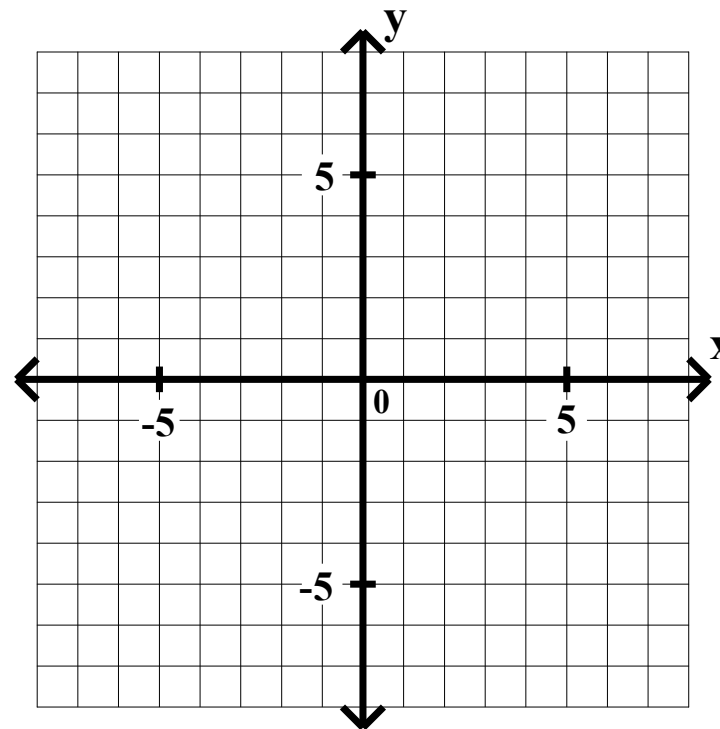
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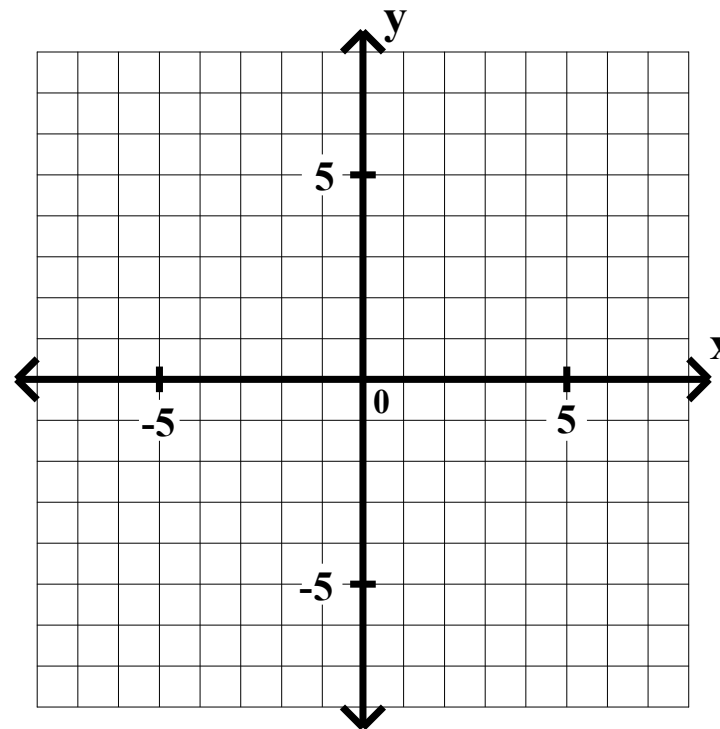
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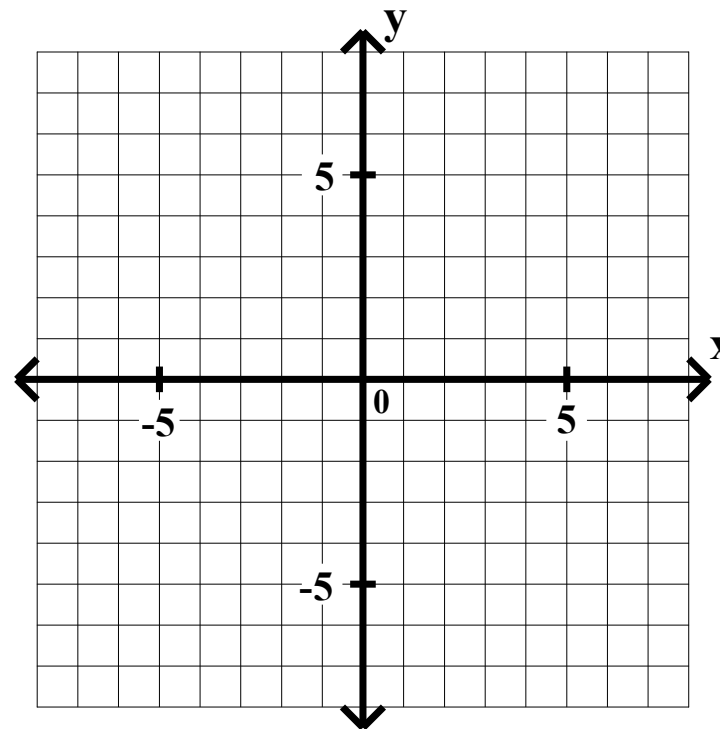
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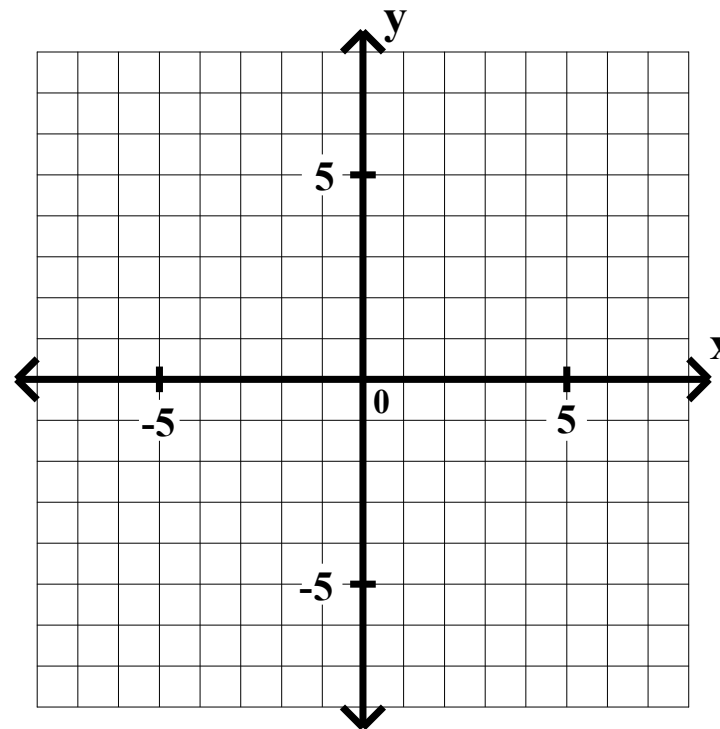
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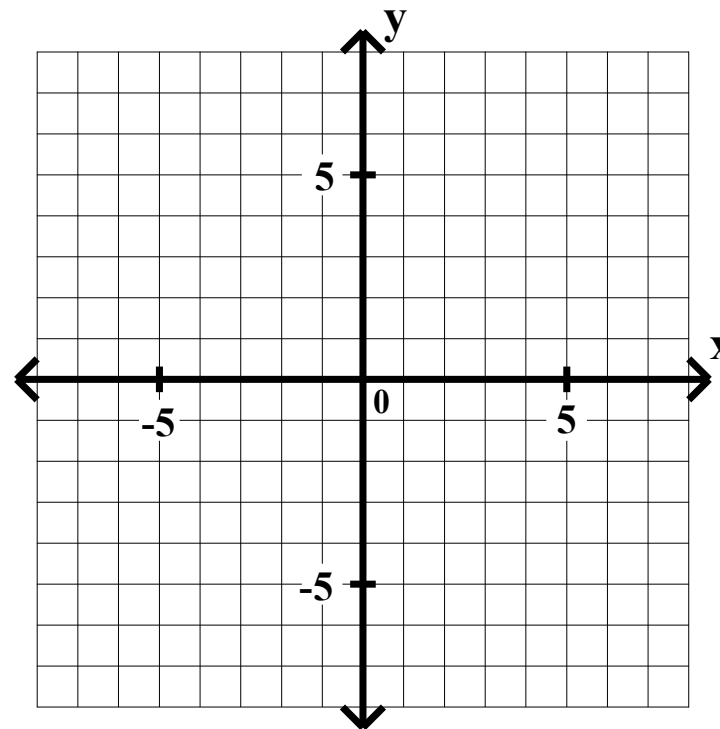
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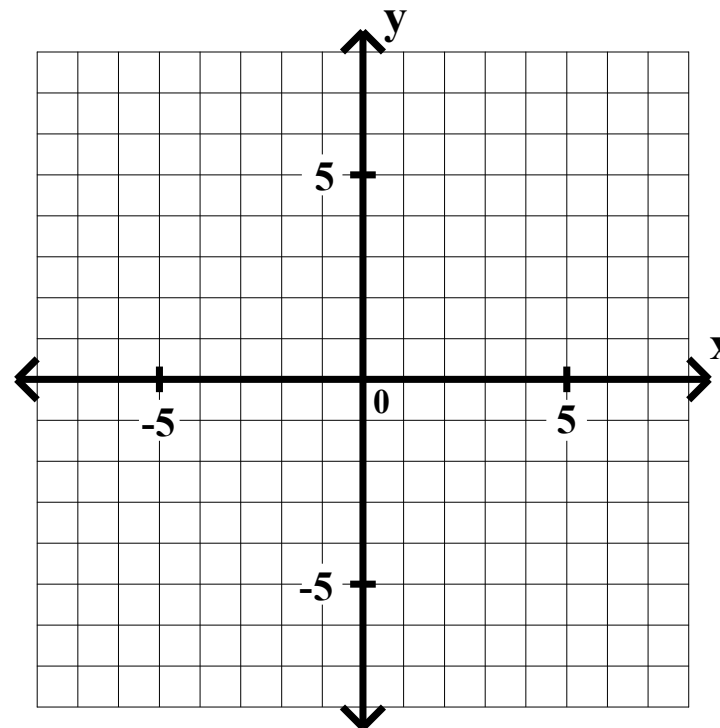
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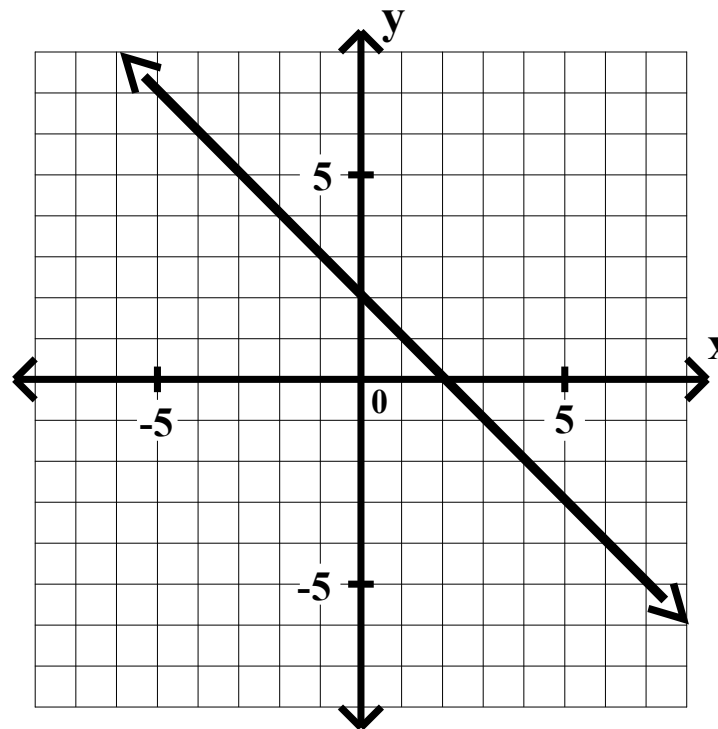
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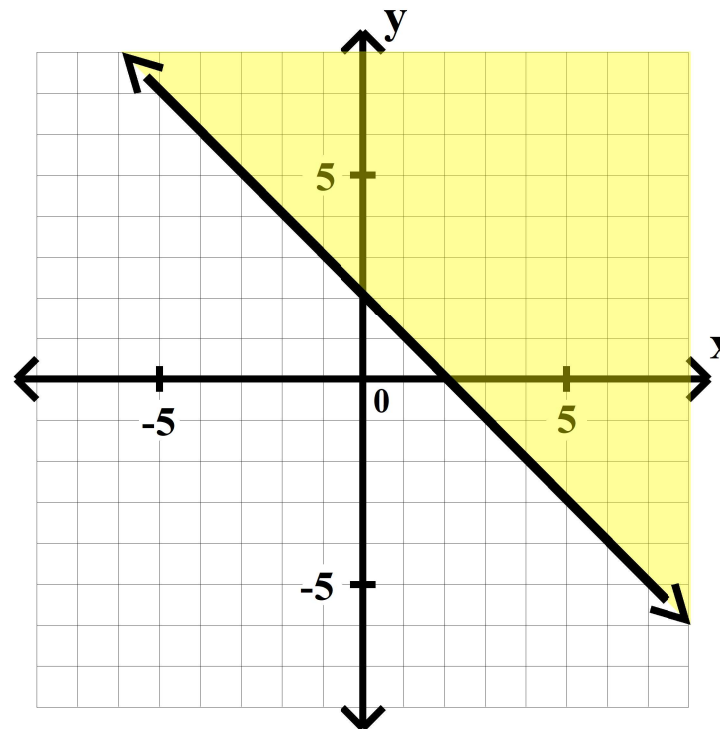
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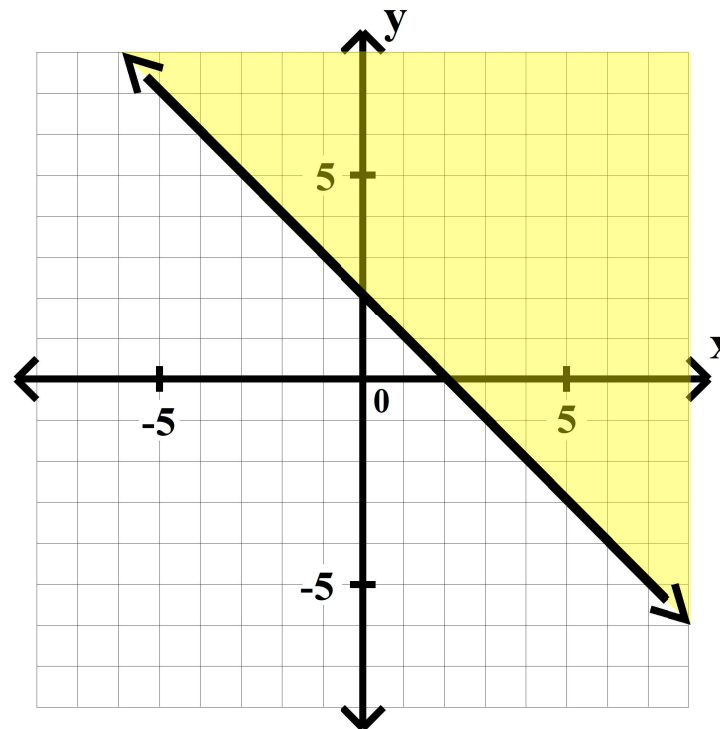
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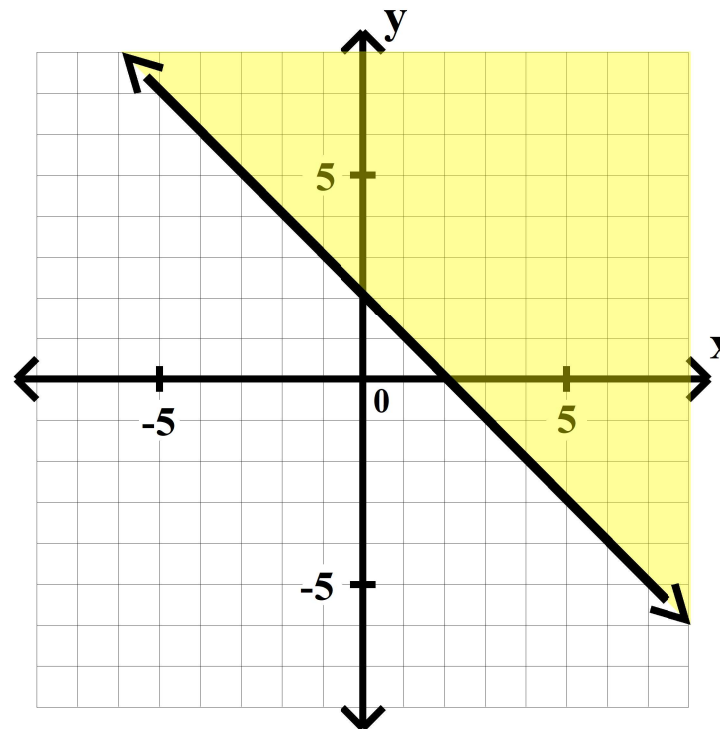
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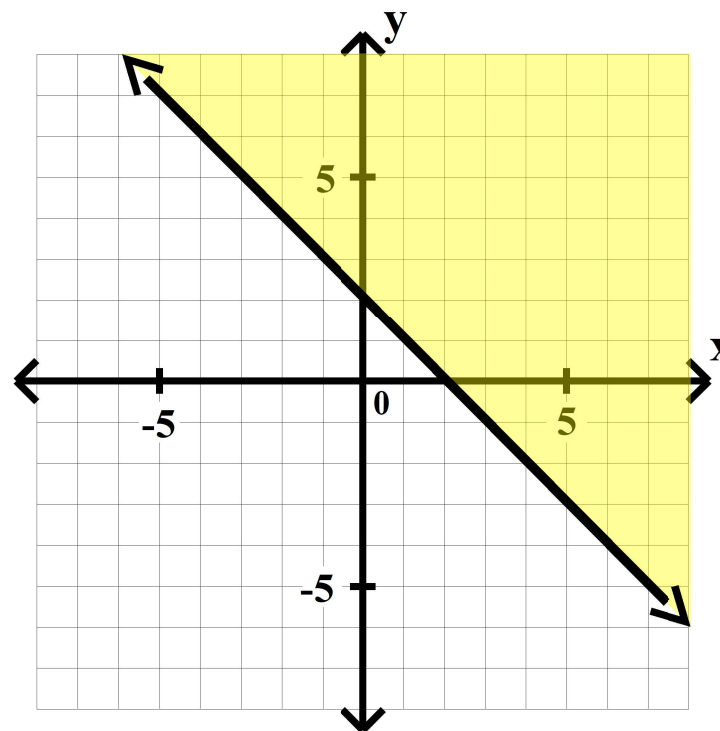
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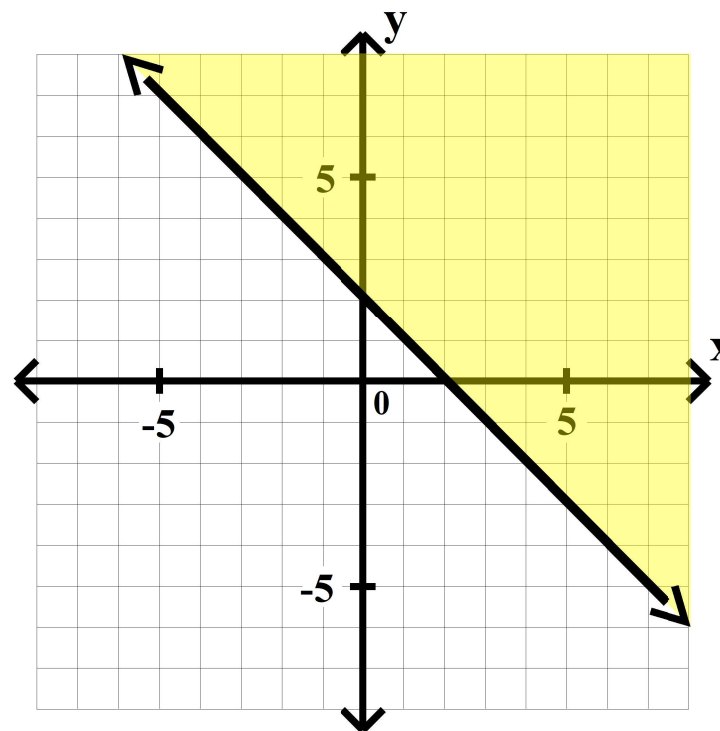
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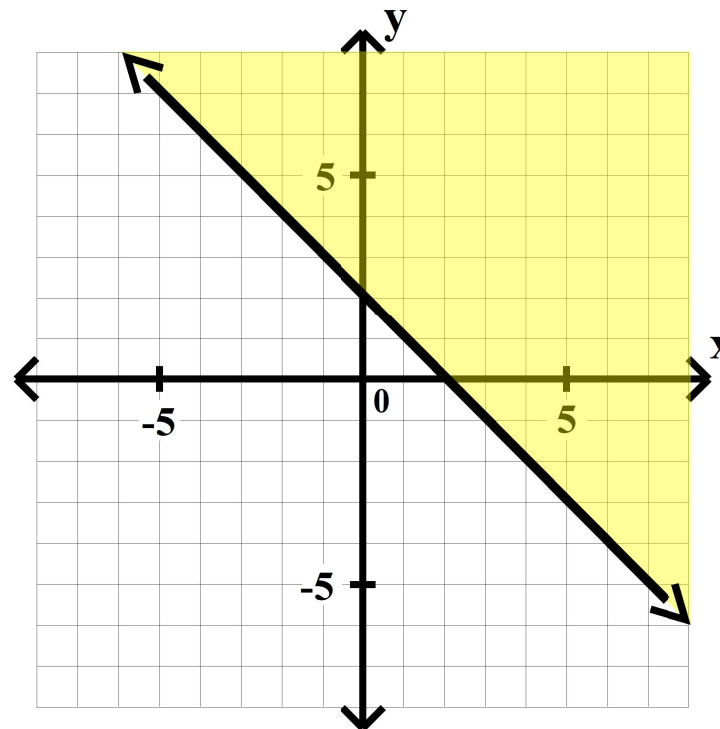
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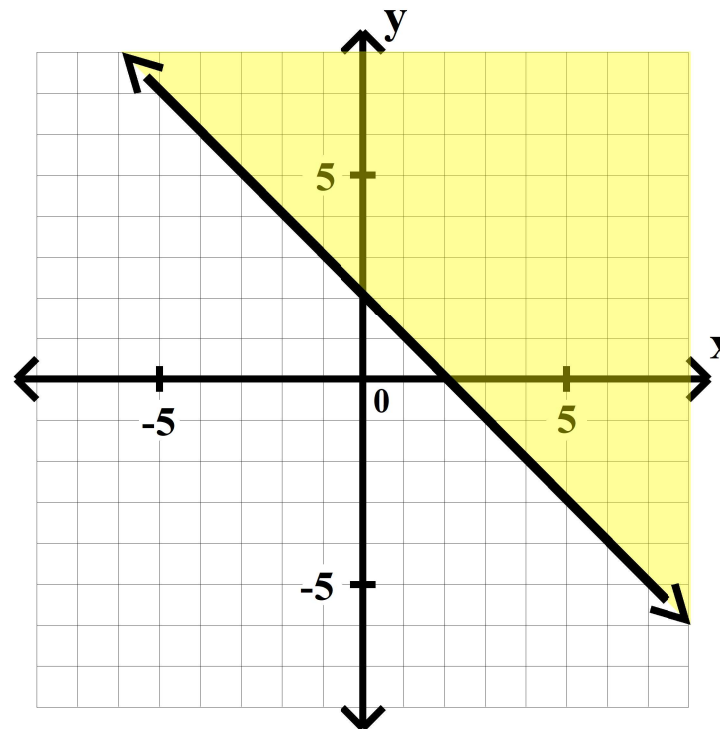
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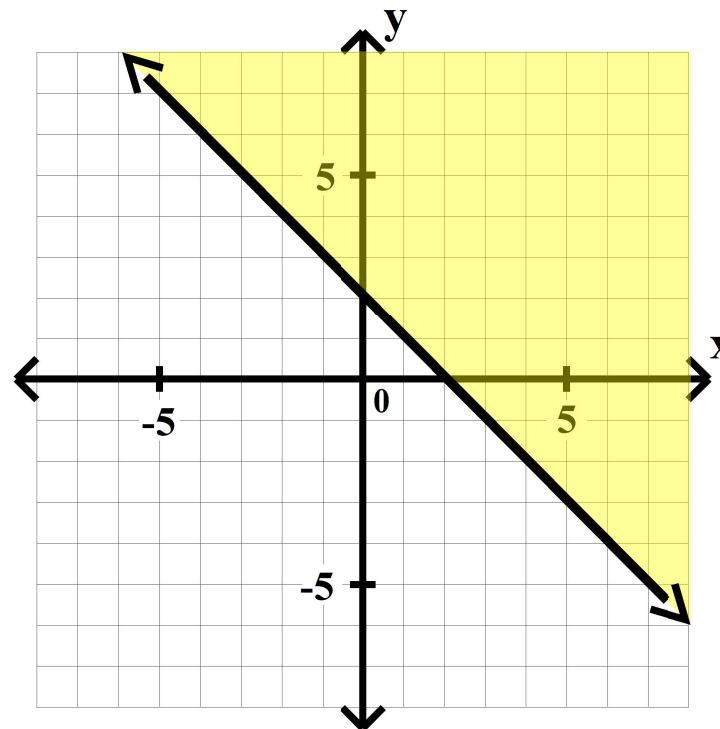
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Find the coordinates of any vertex.

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$$y \geq -x + 2 \qquad -3y \geq -x - 6$$

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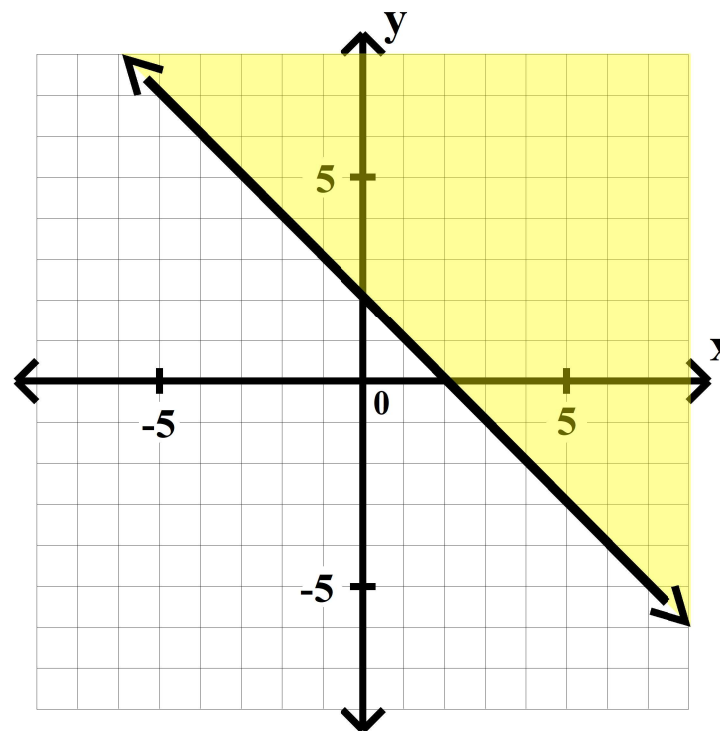
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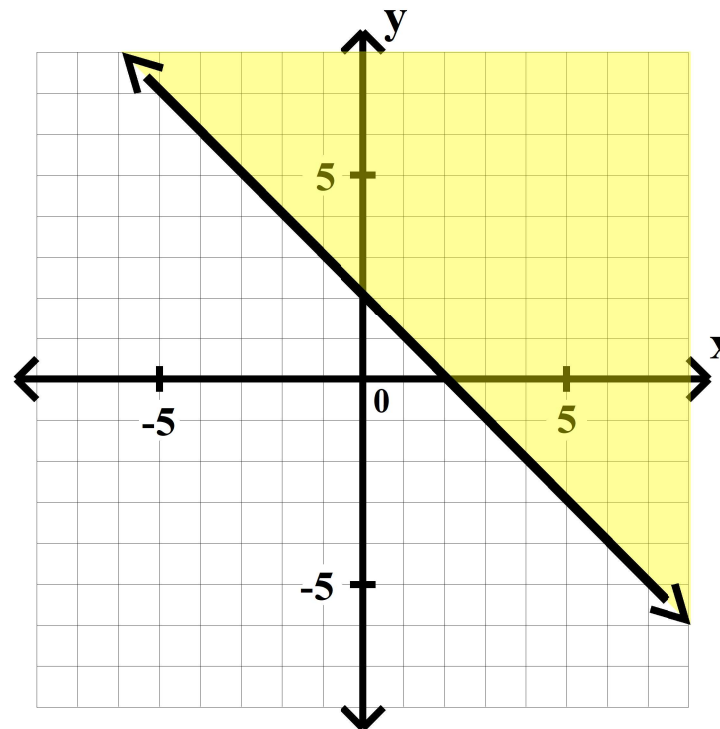
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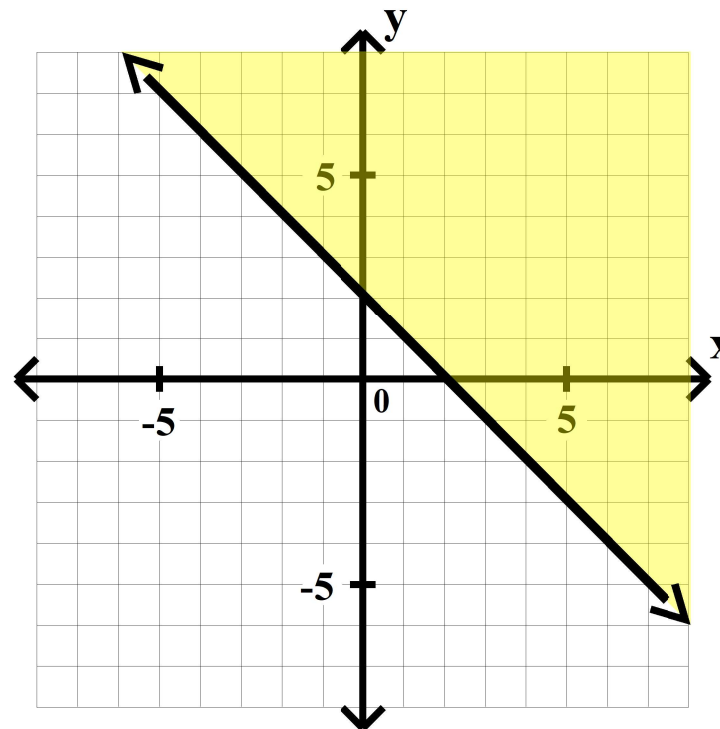
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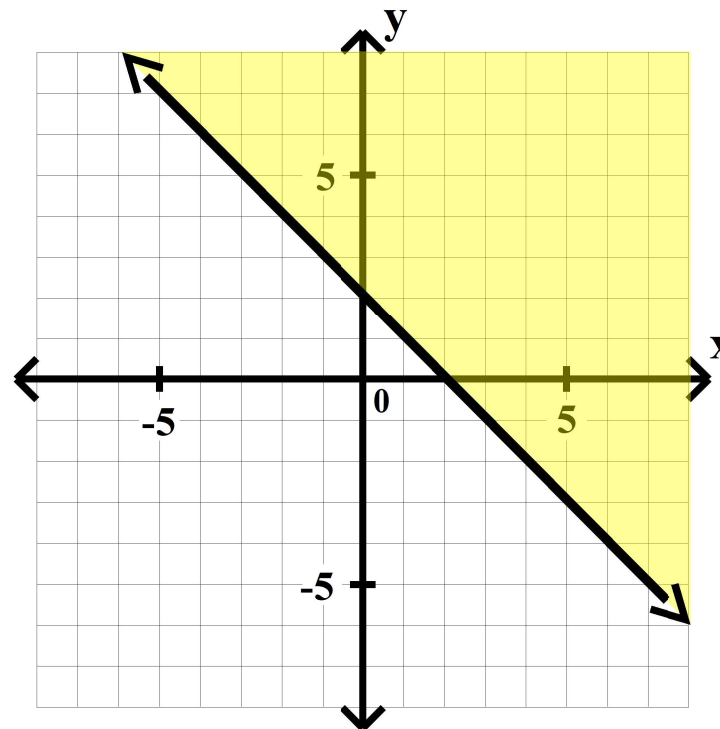
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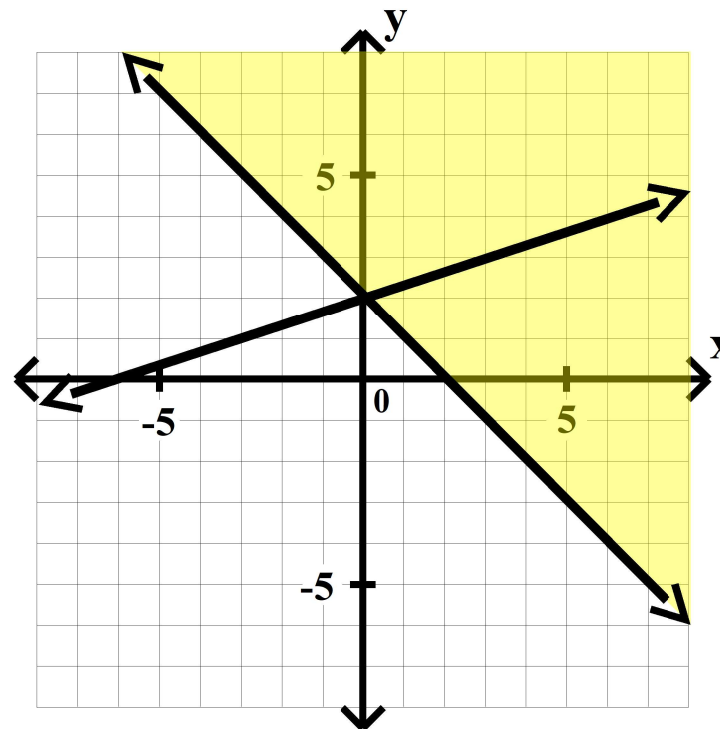
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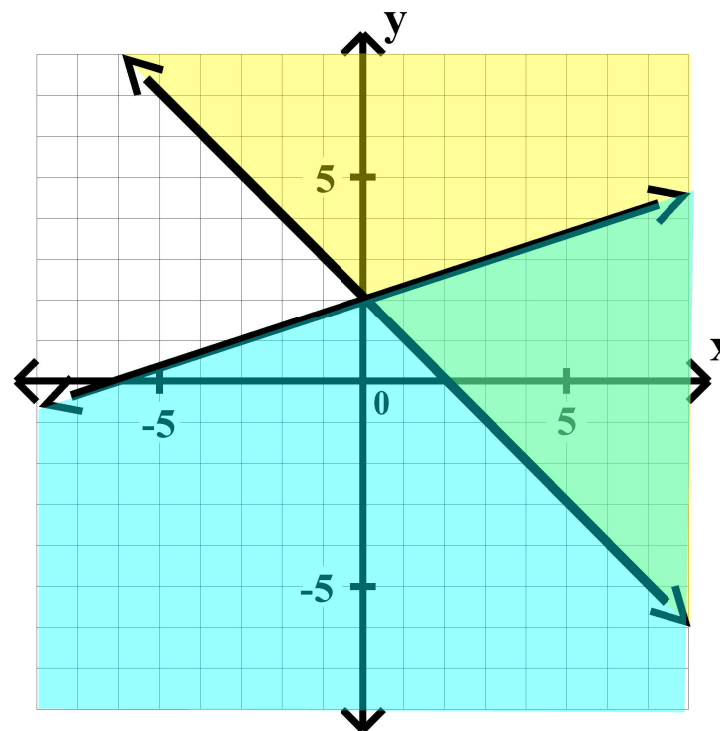
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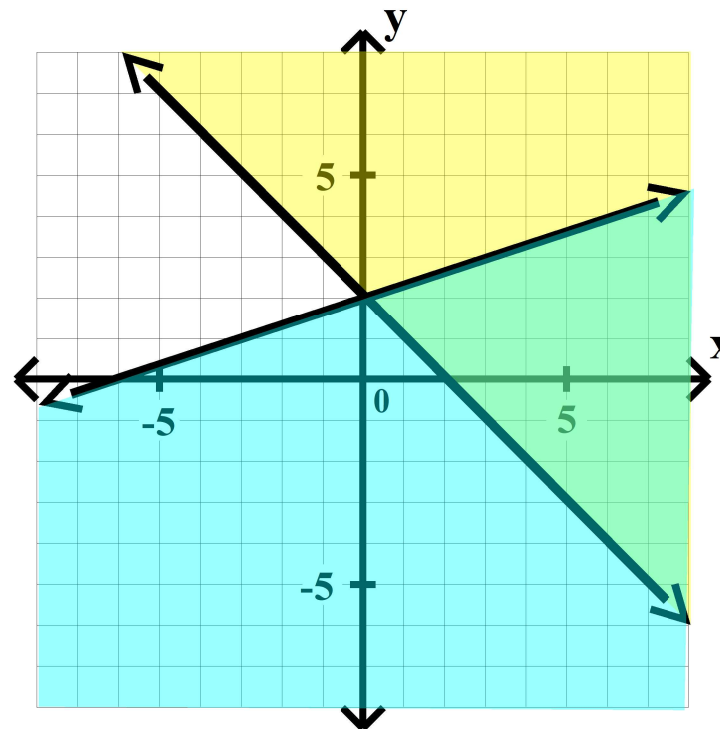
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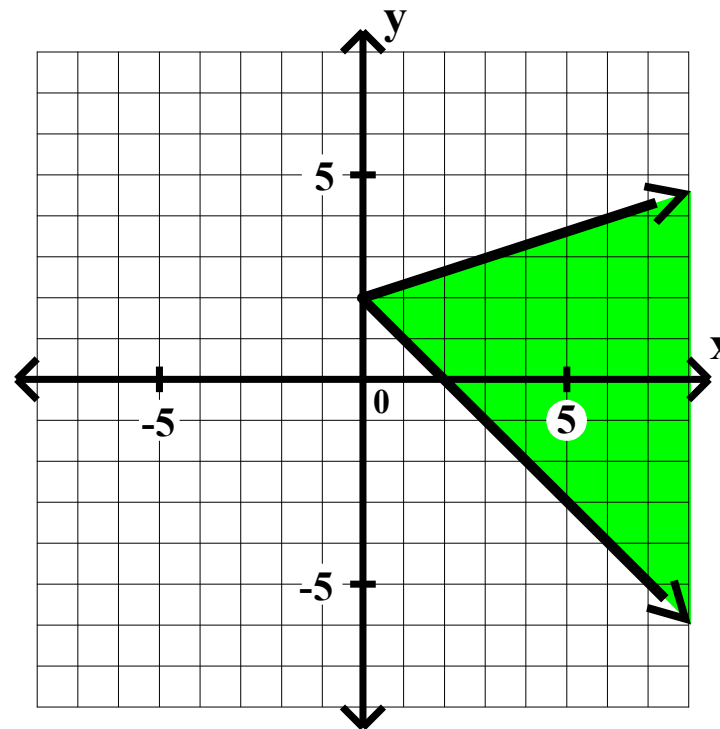
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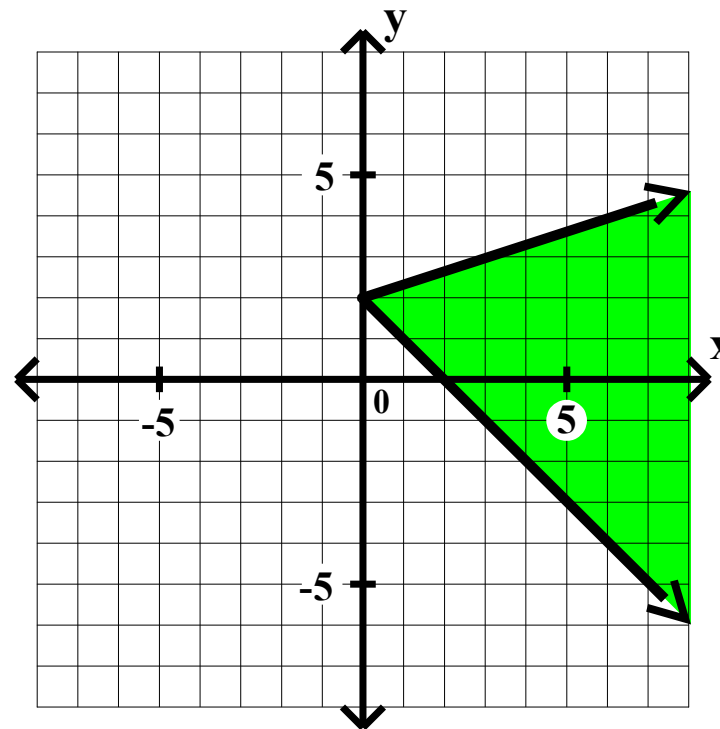
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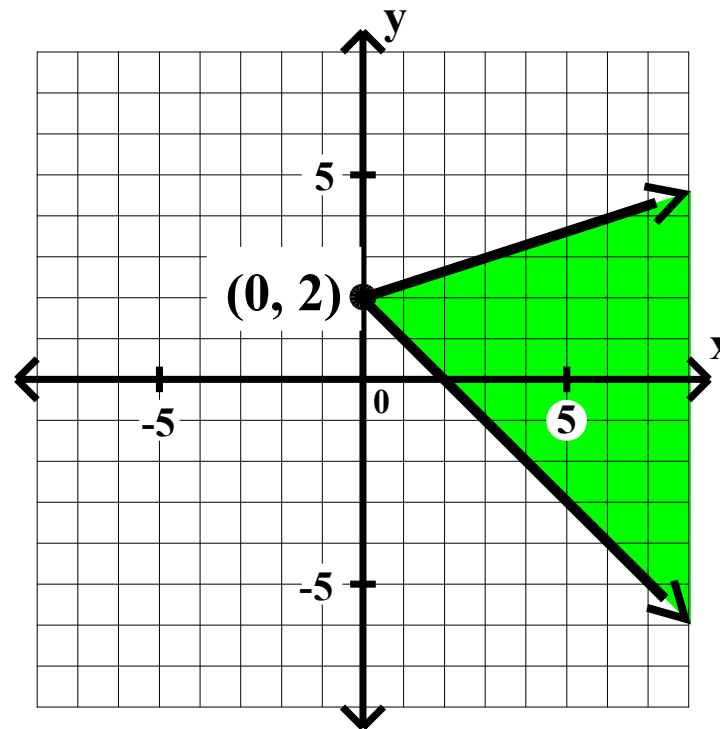
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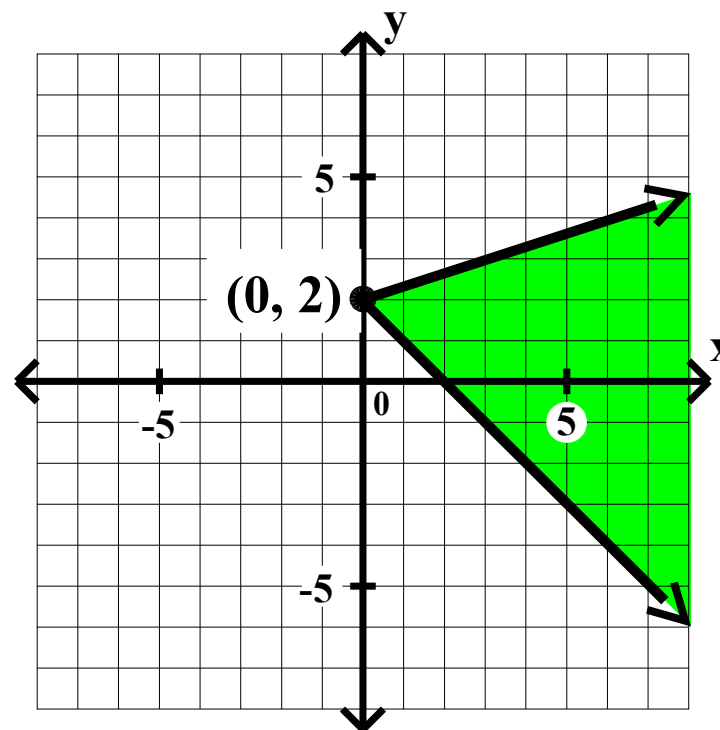
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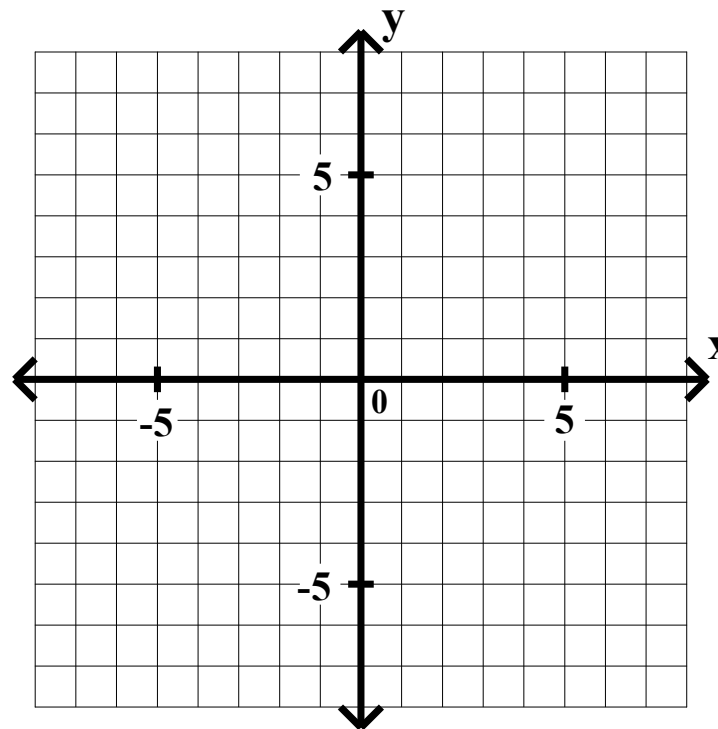
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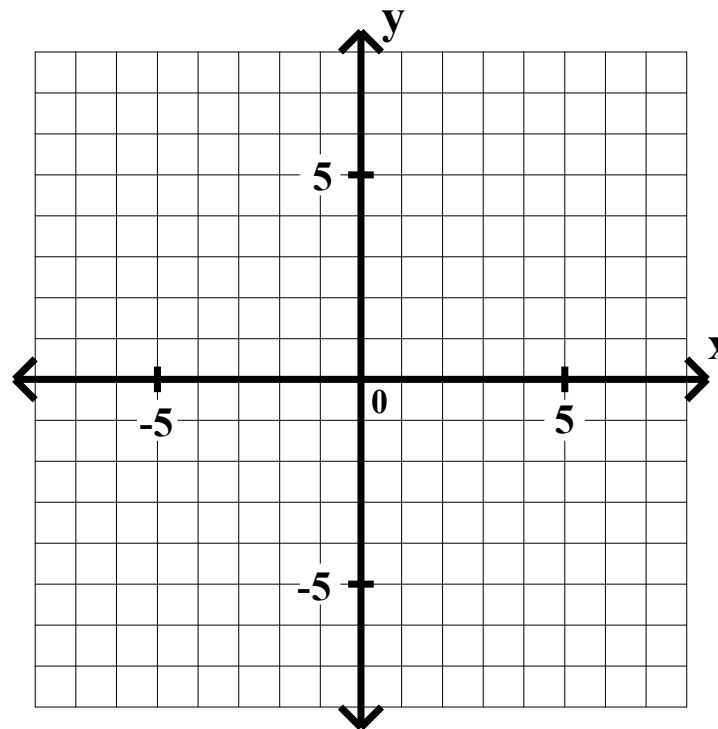


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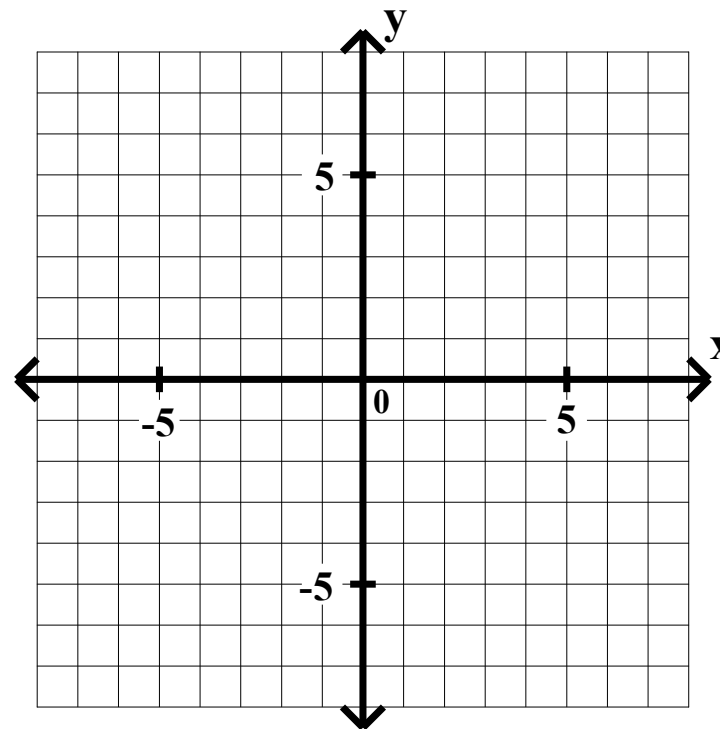
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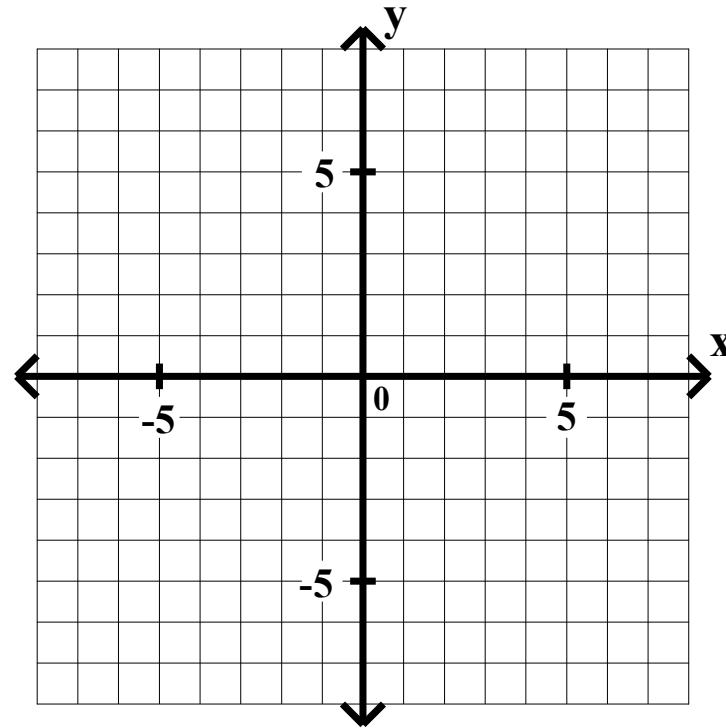
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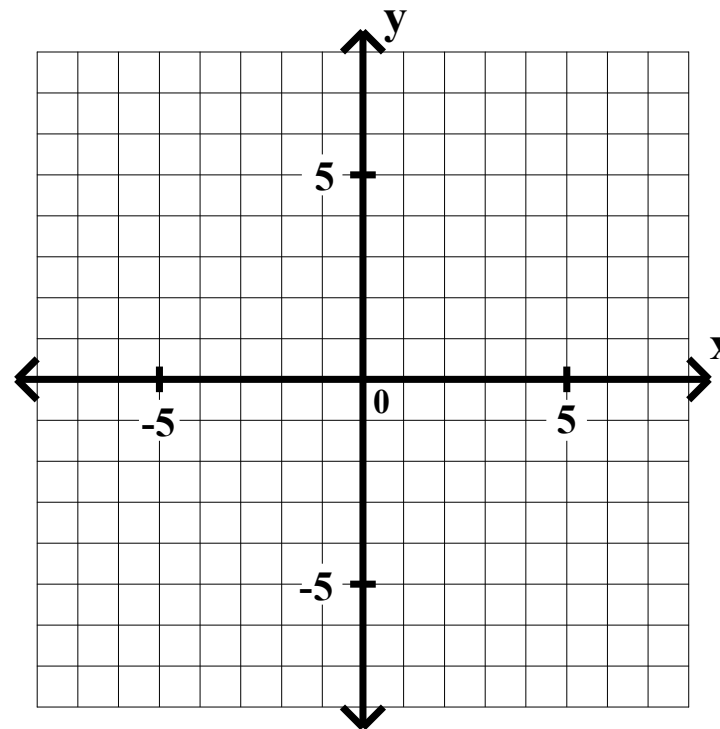
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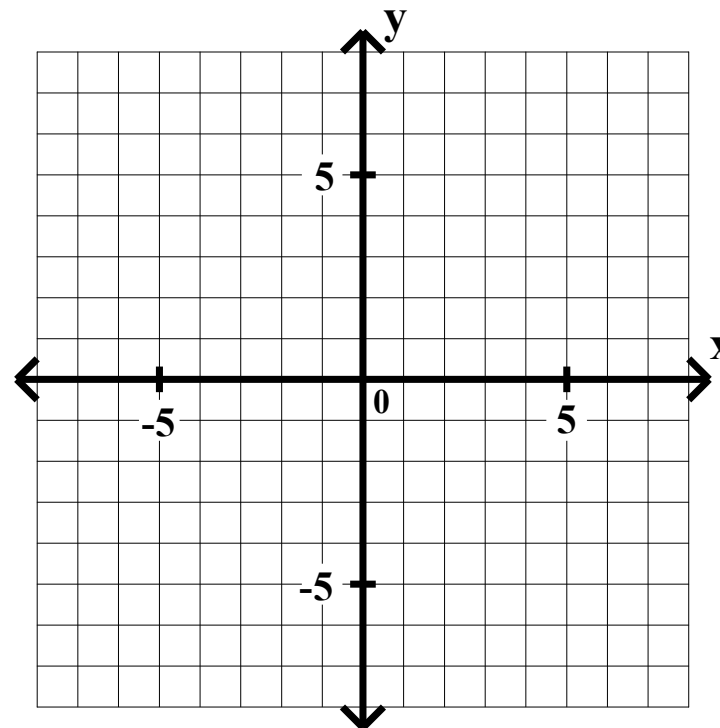
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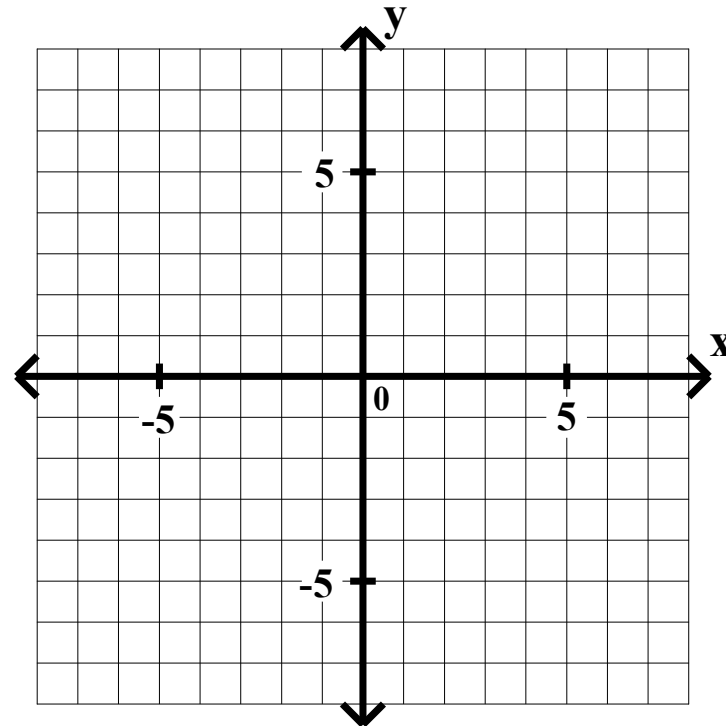
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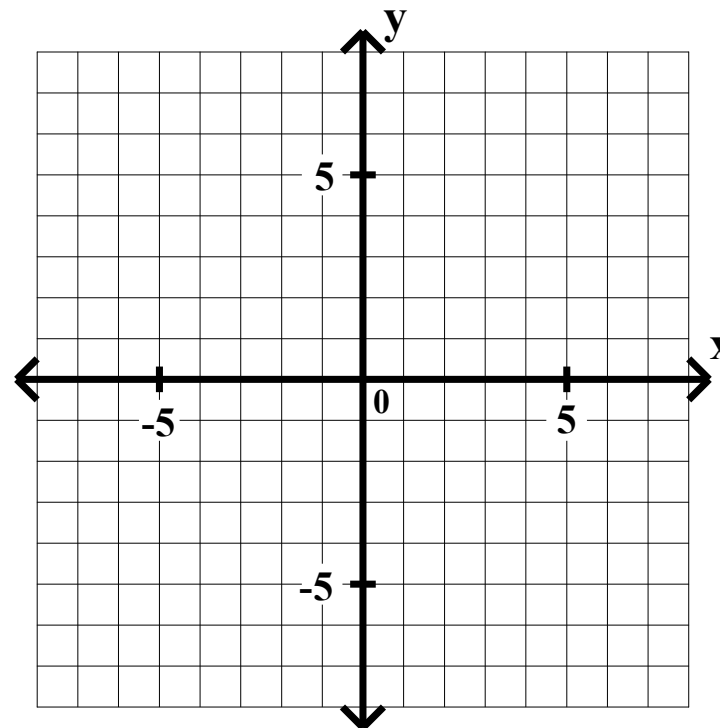
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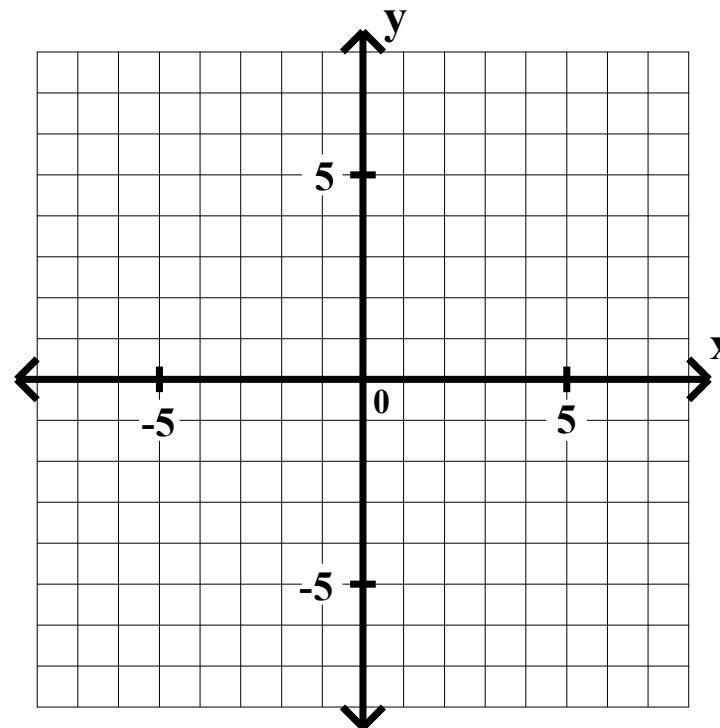
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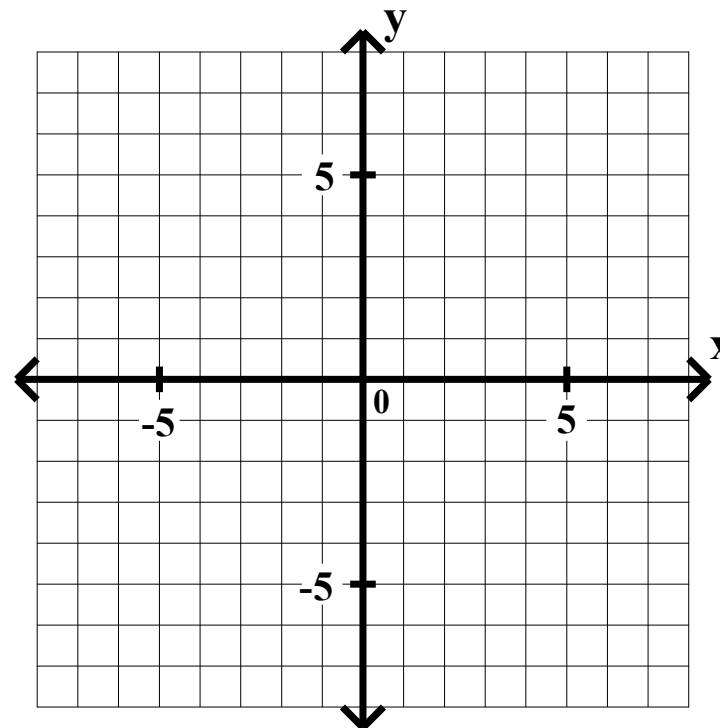
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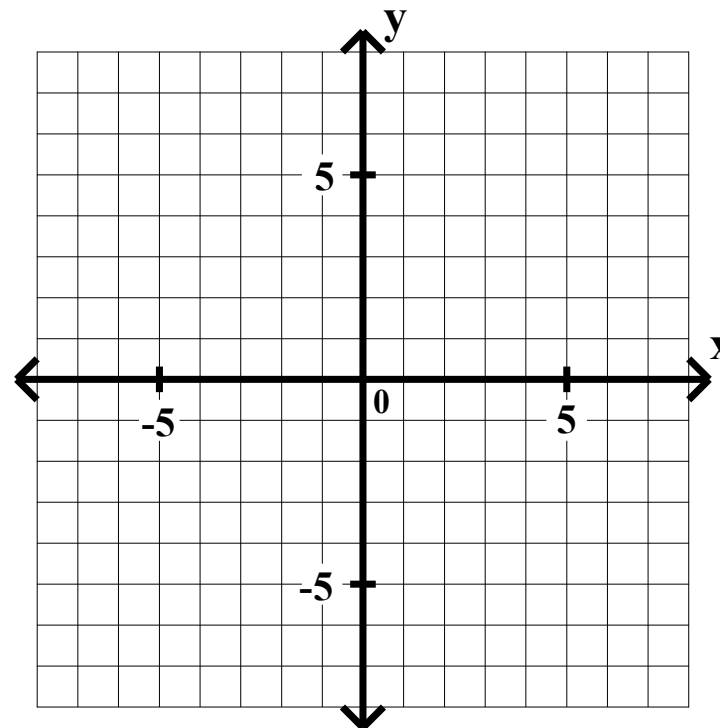
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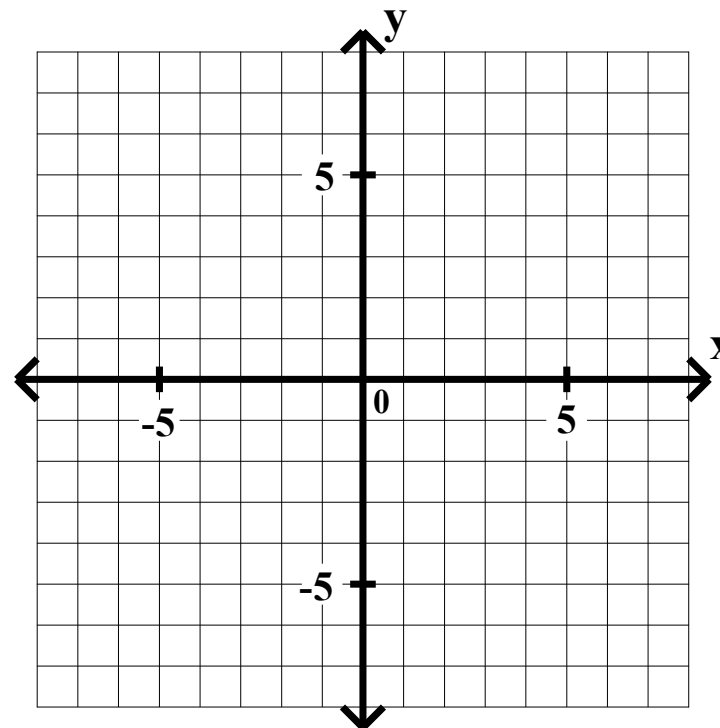
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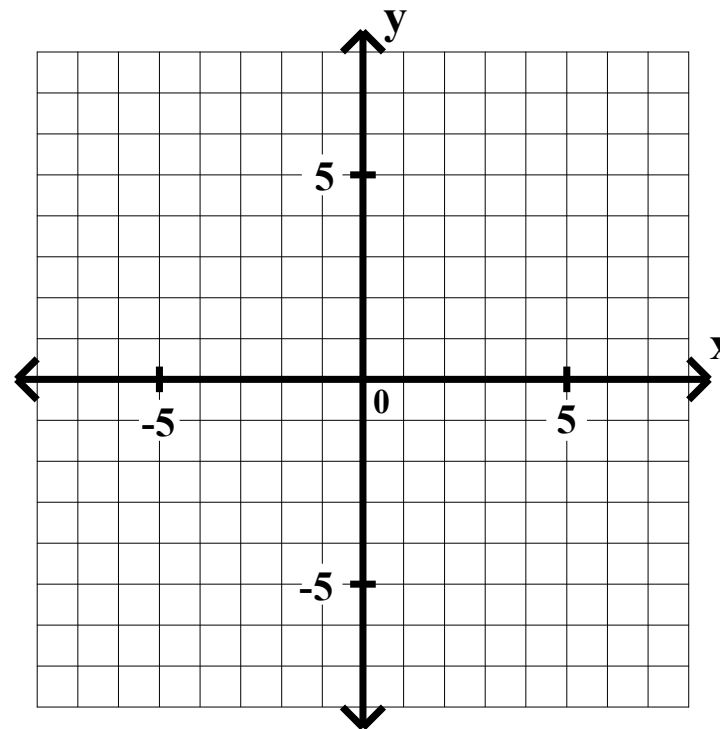
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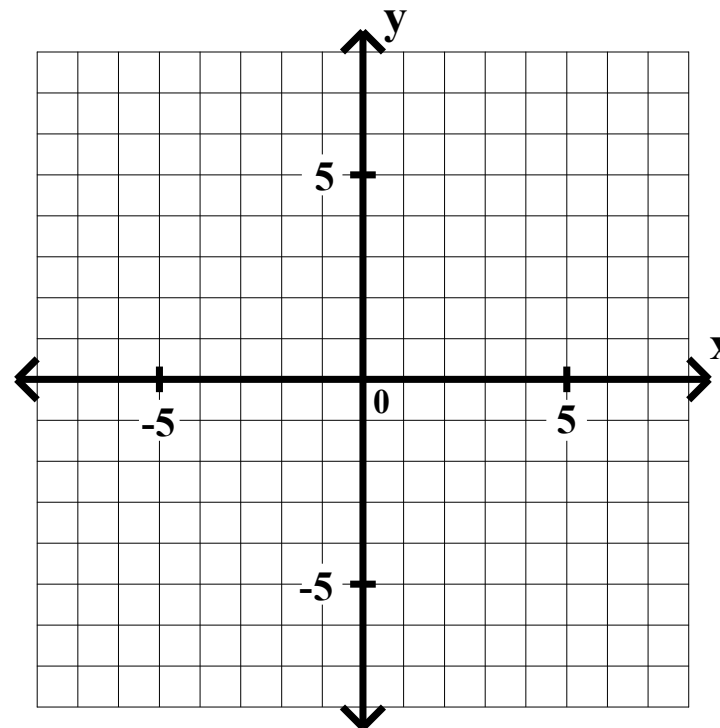
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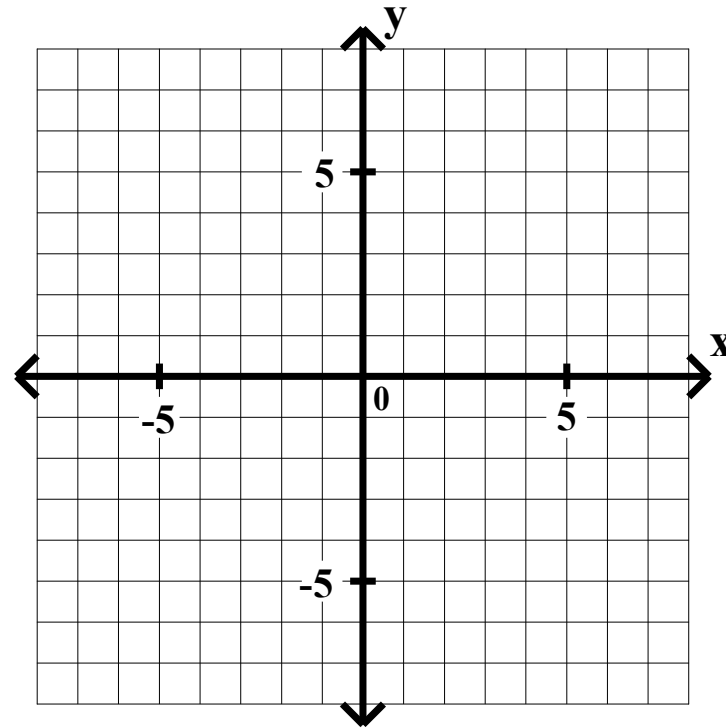
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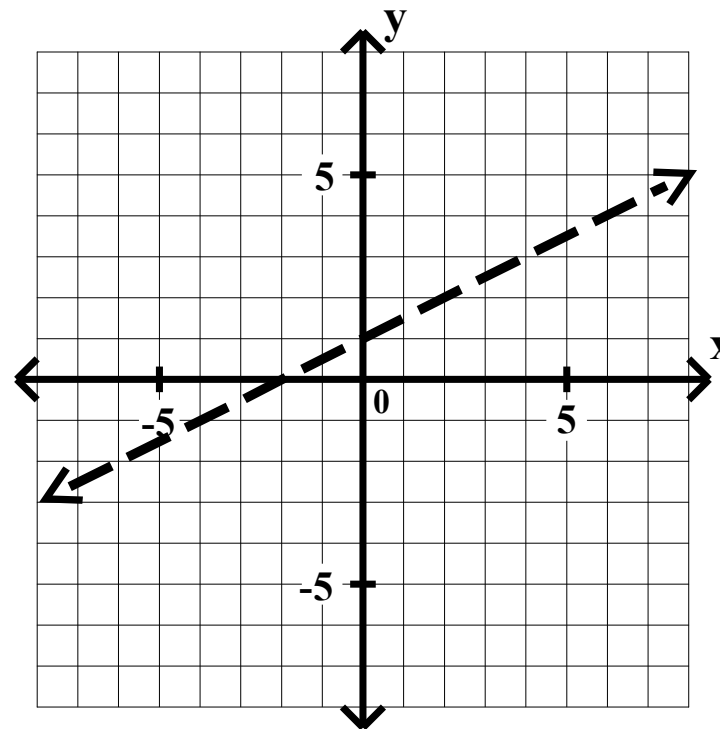
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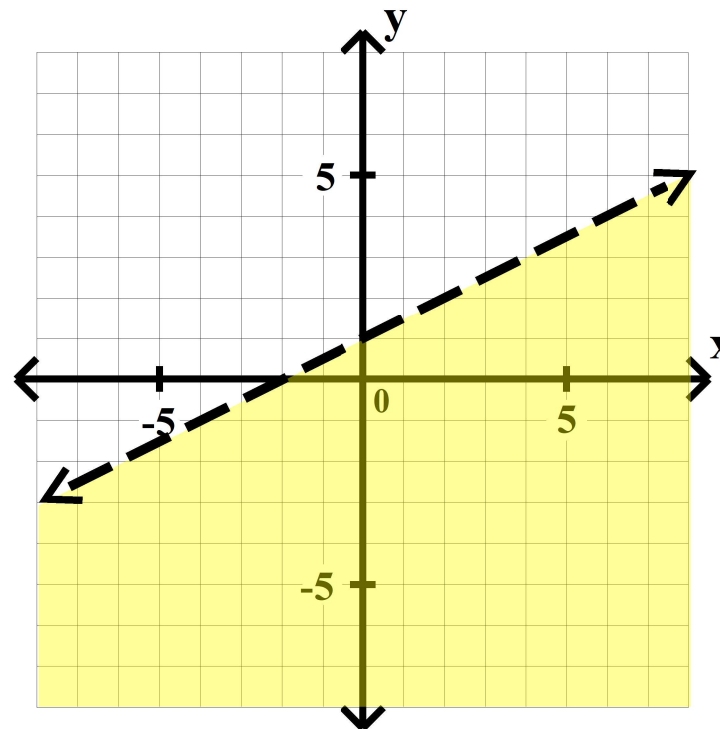
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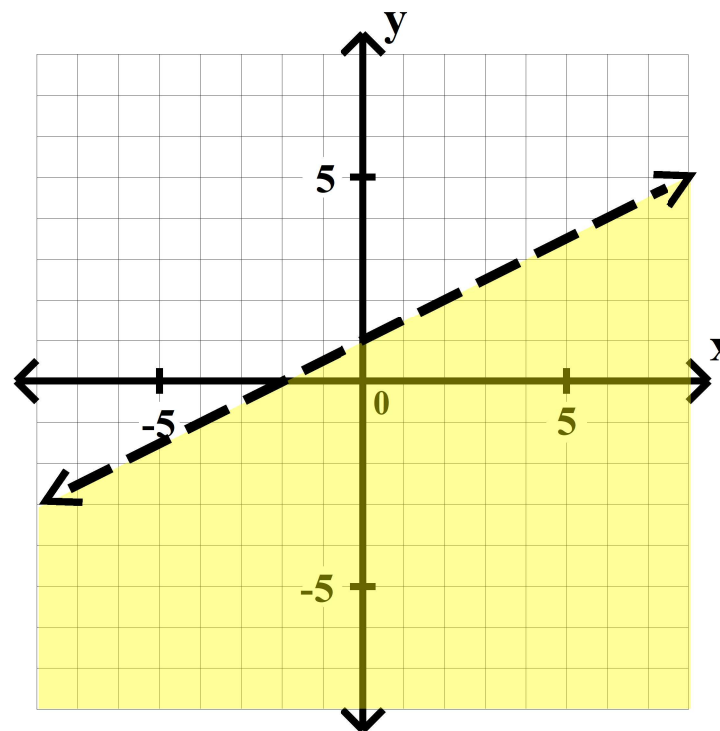
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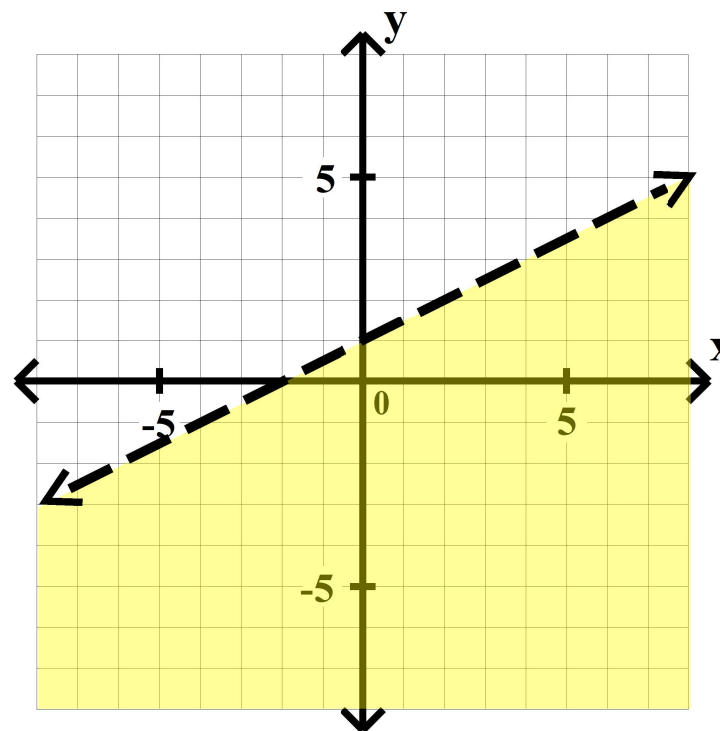
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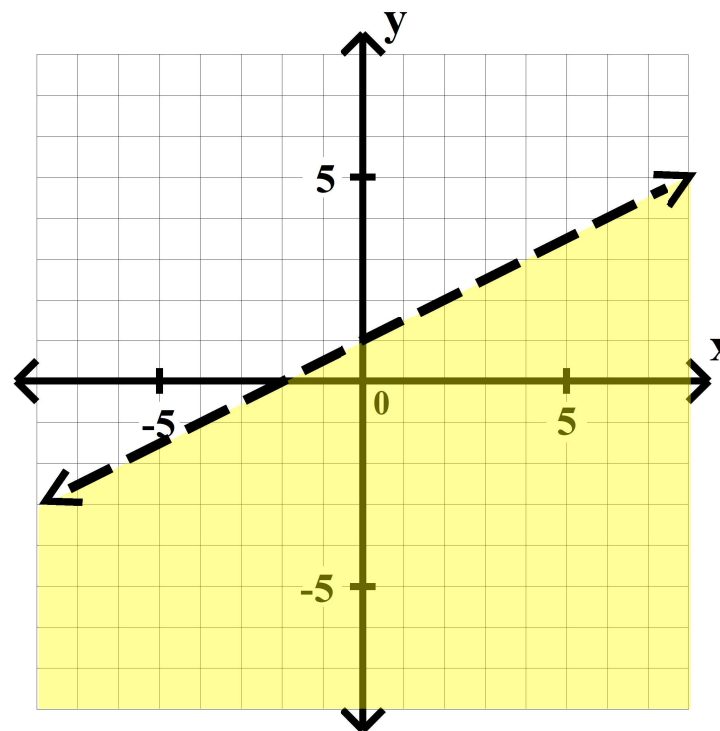
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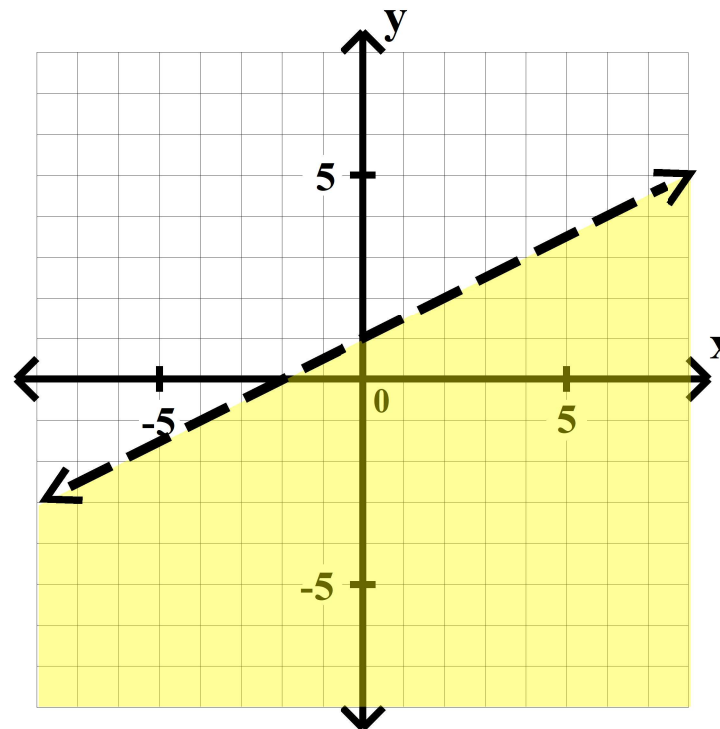
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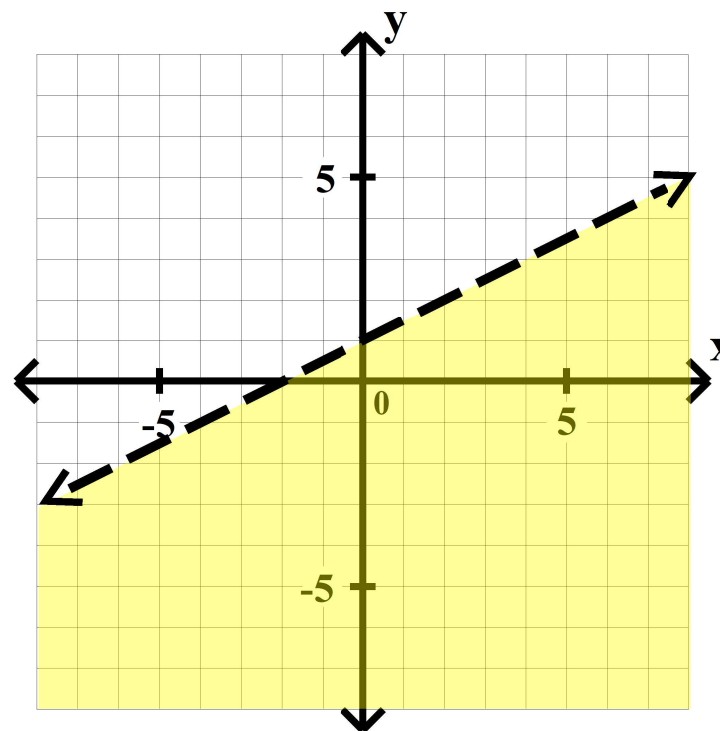
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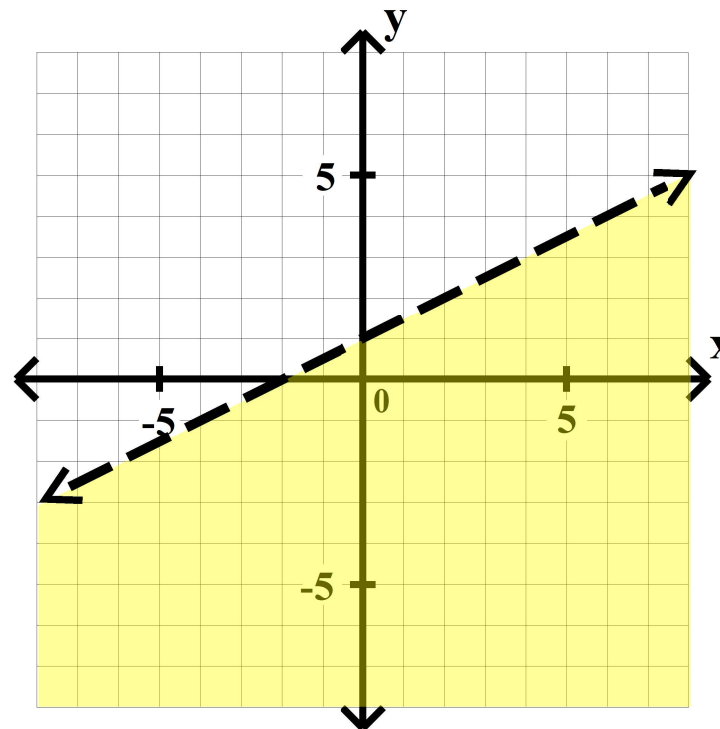
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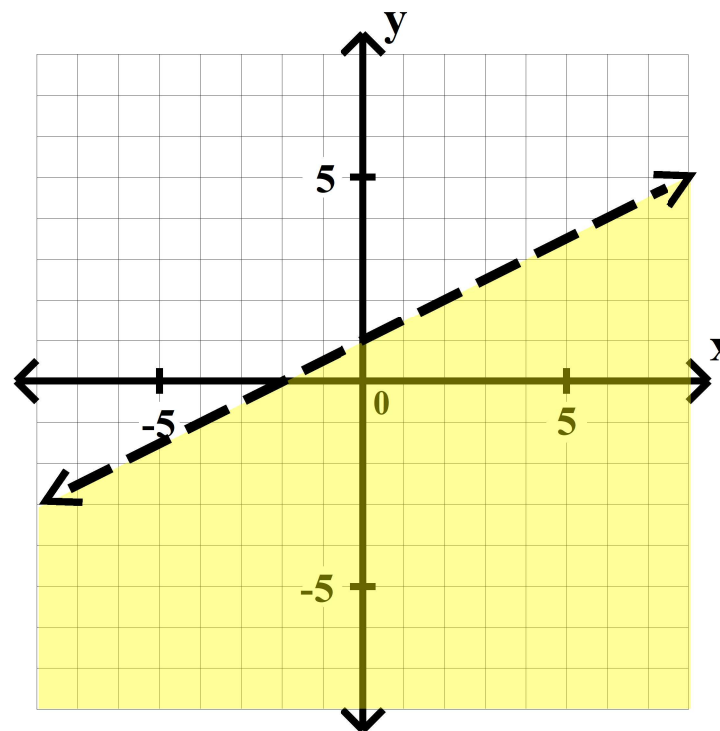
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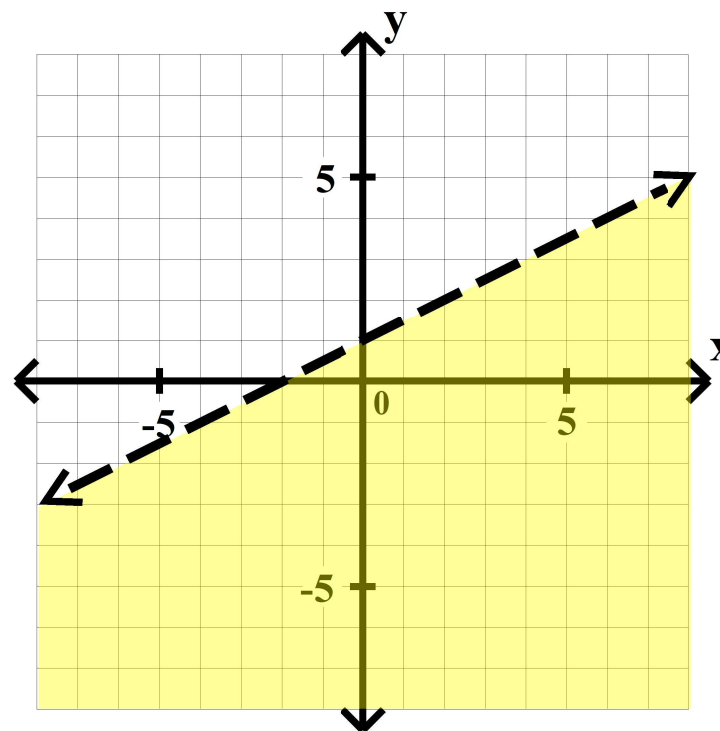
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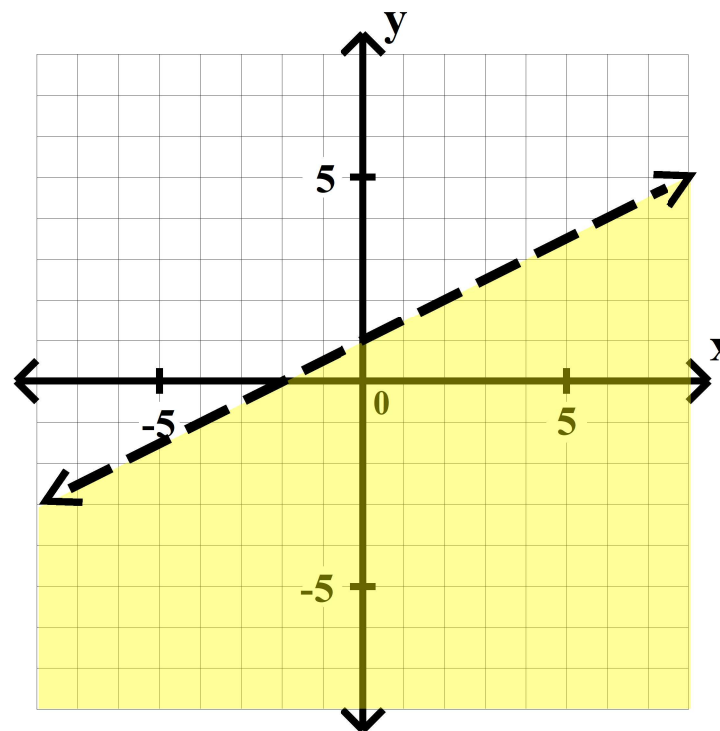
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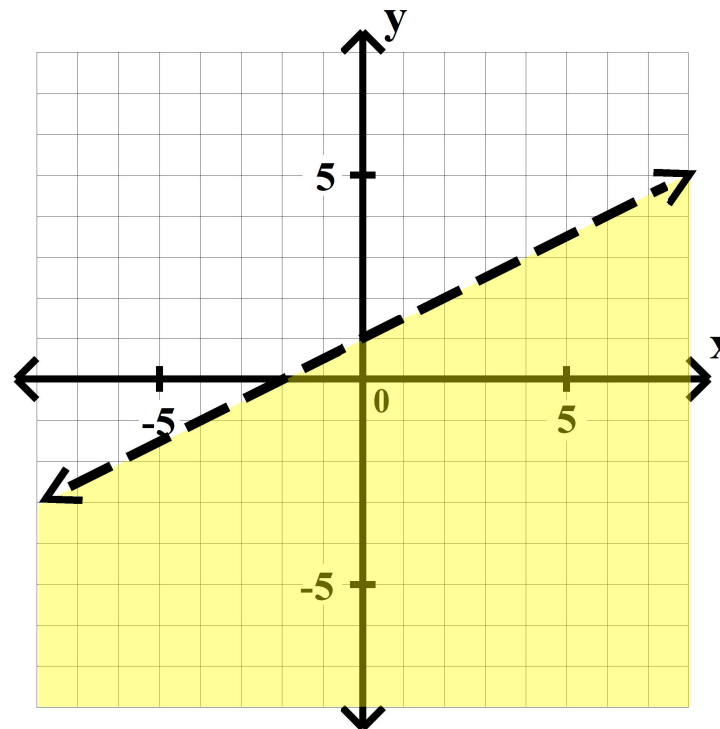
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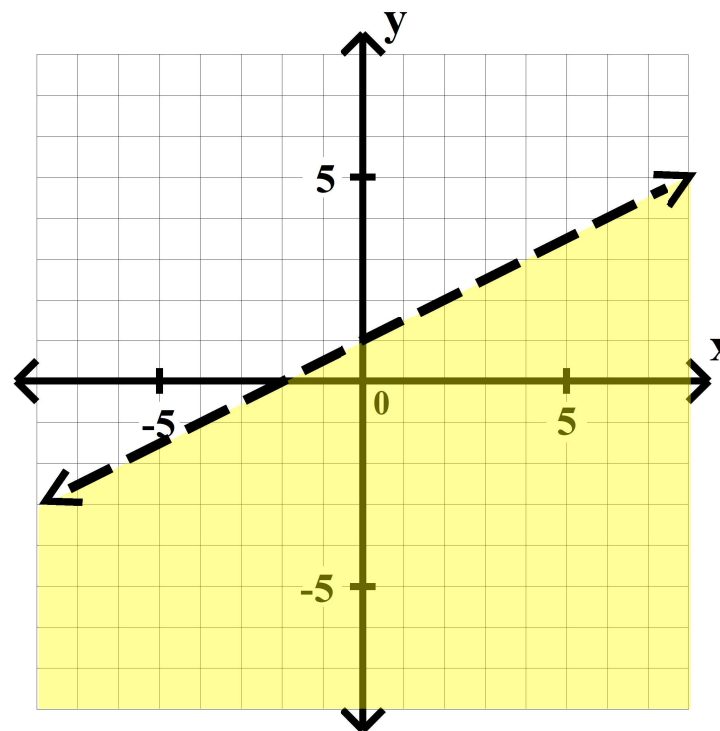
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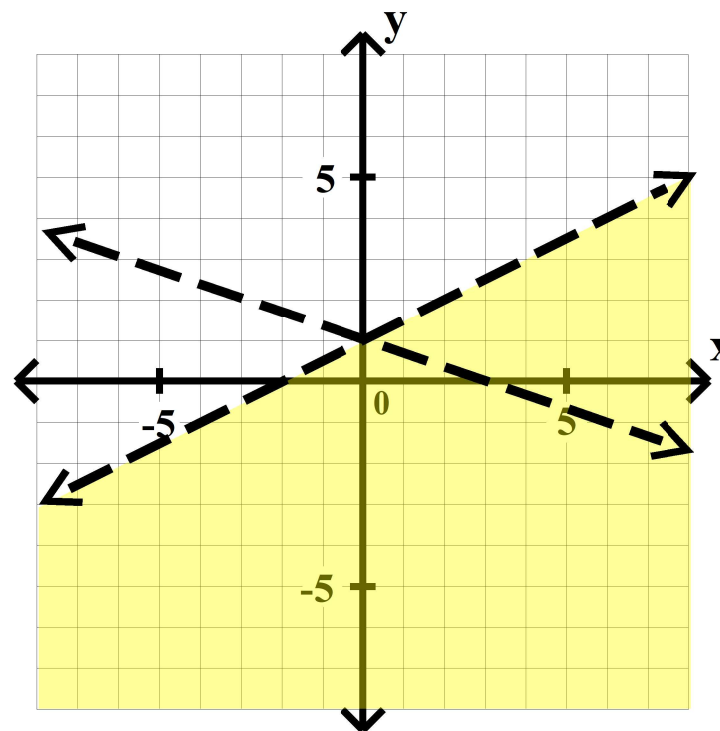
Compound Inequalities with Two Variables

Graph the solution set of each of the following compound inequalities.
Find the coordinates of any vertex.

3. $x - 2y > -2$ and $x + 3y > 3$

$$-2y > -x - 2 \quad 3y > -x + 3$$

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Type 1: Compound Inequalities with the Connective 'and'

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Algebra II CWS #2 Unit 4

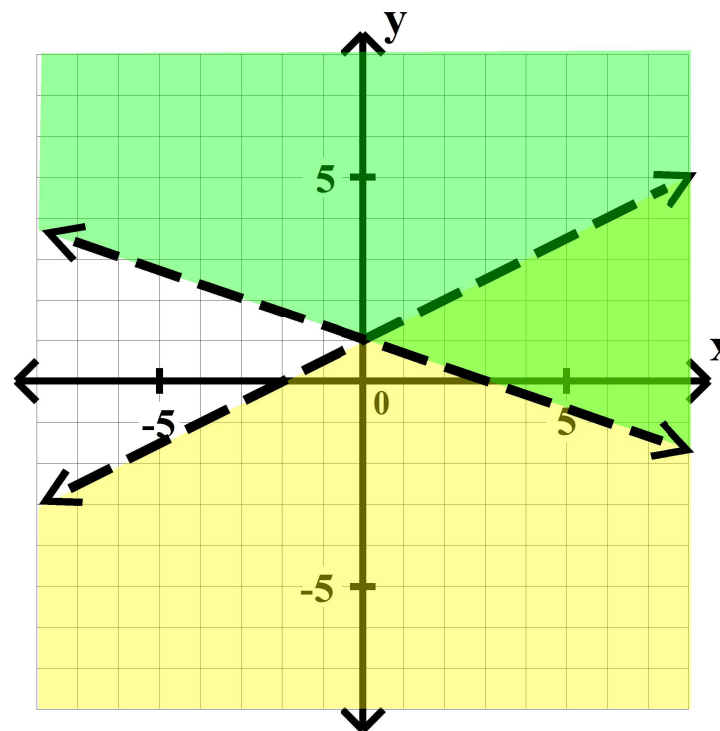
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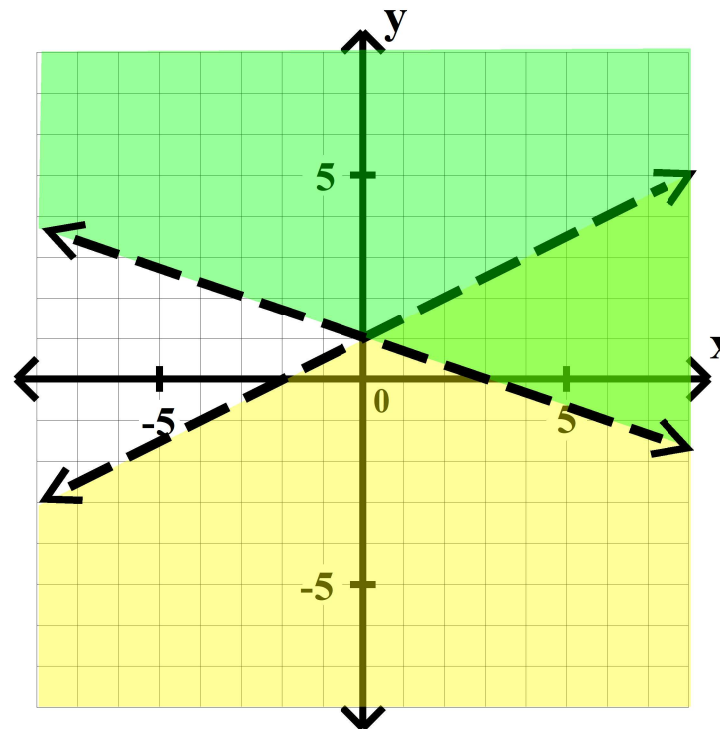
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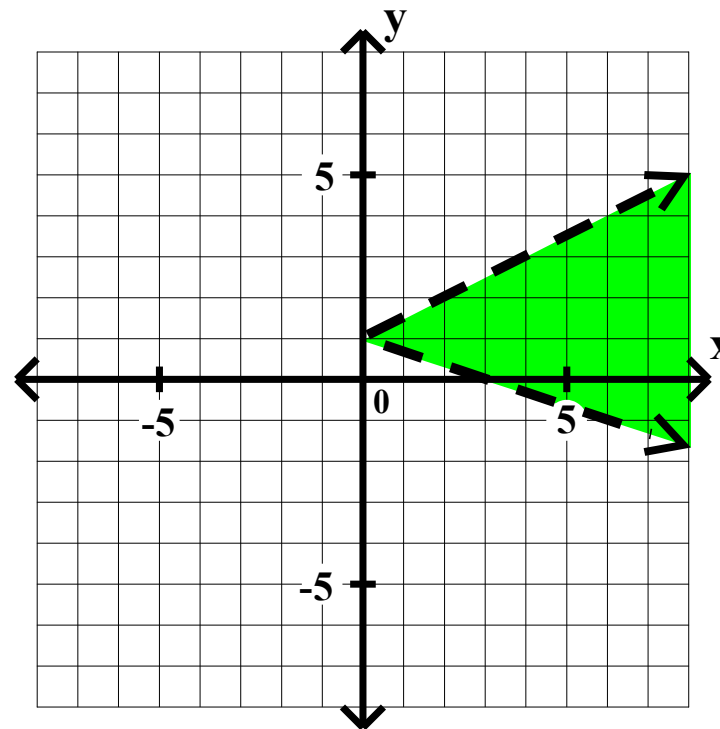
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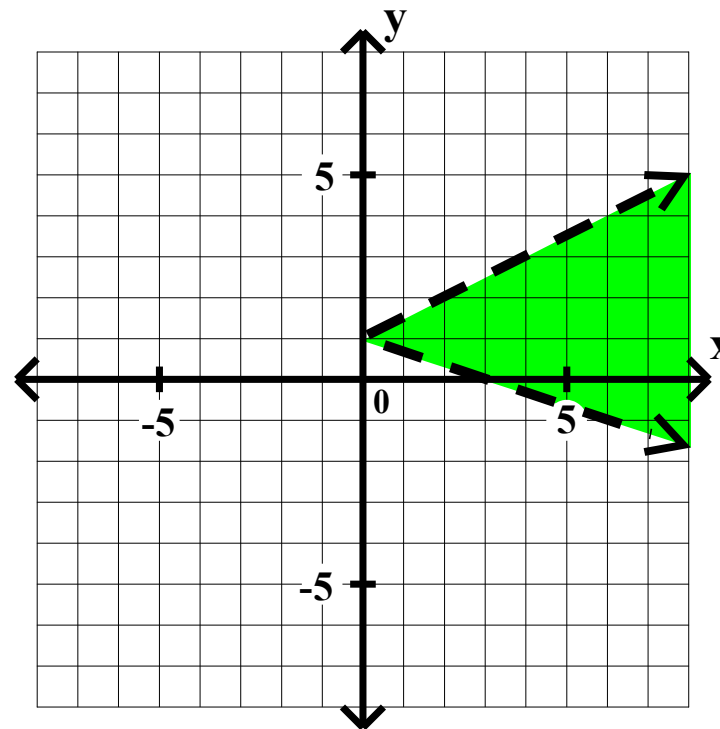
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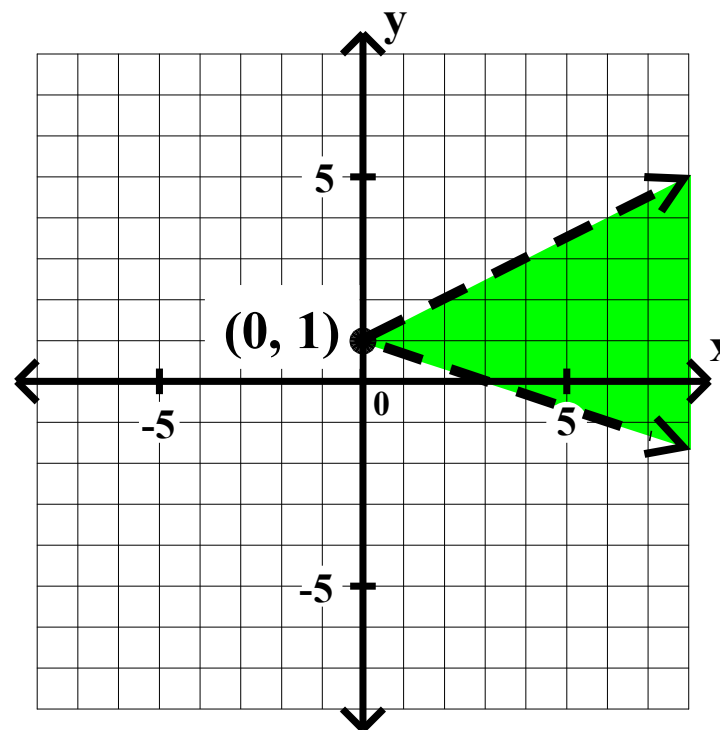
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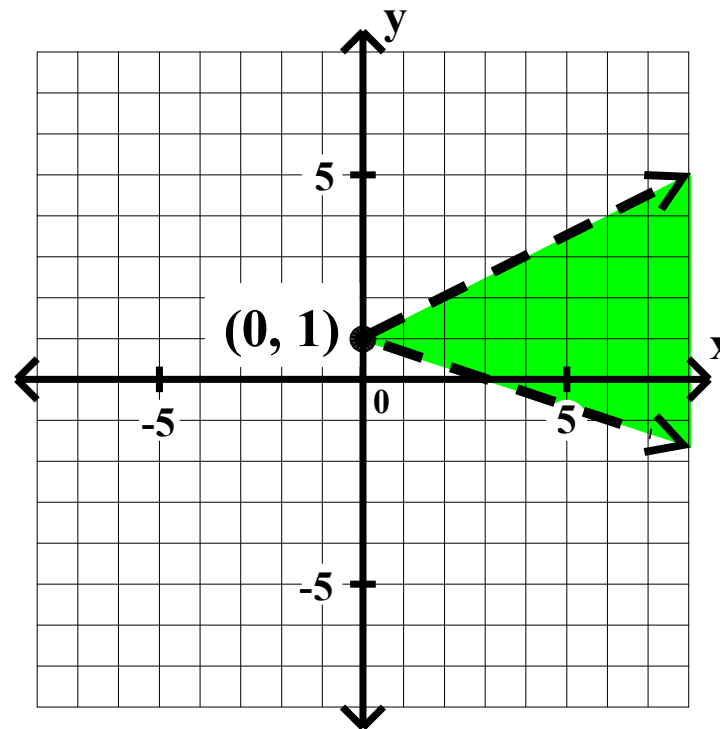
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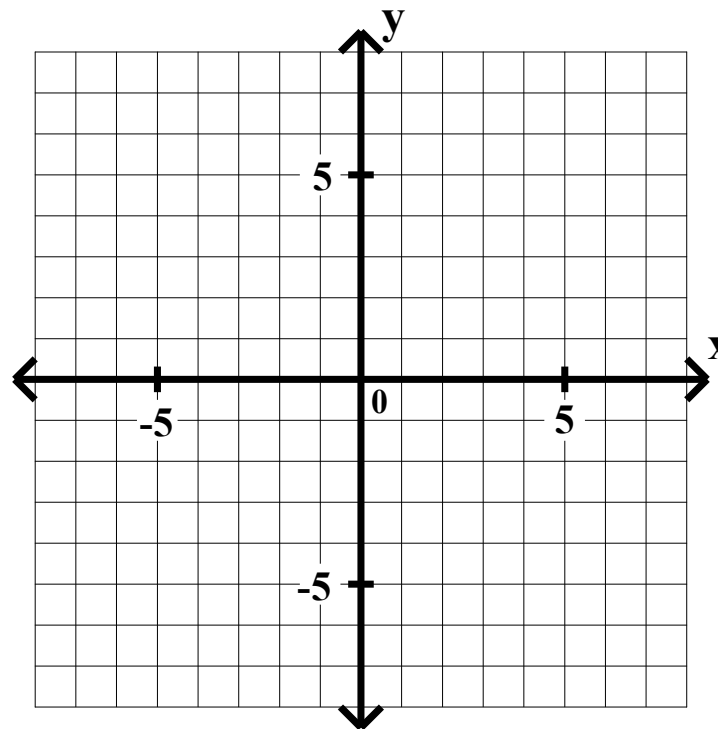
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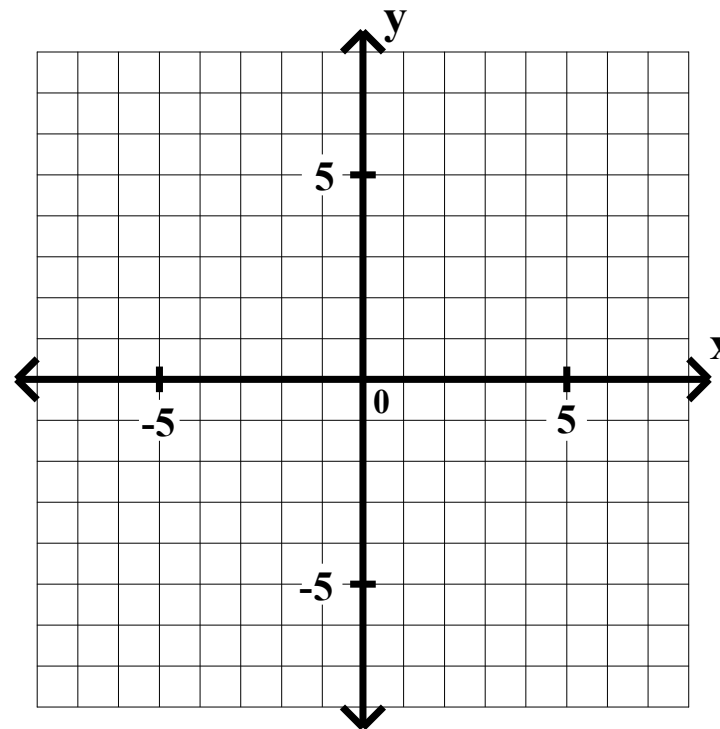


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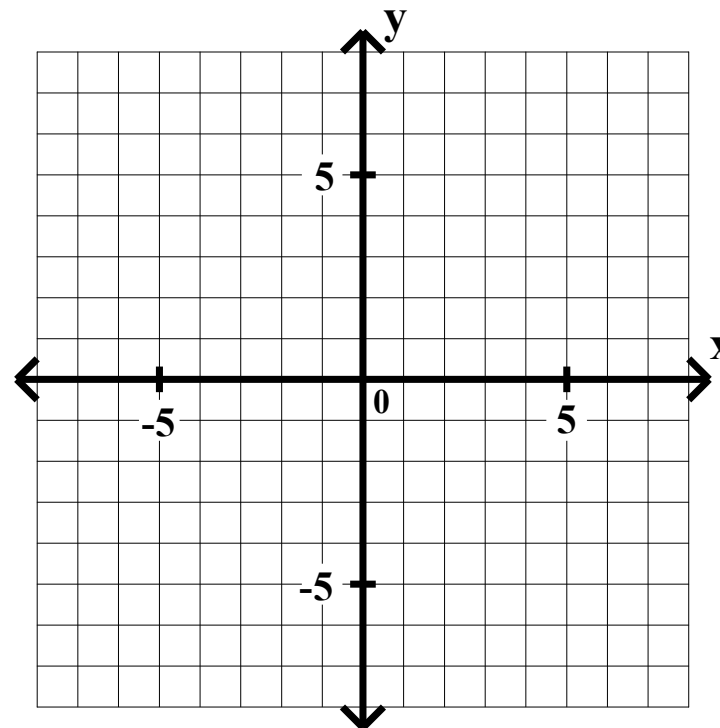
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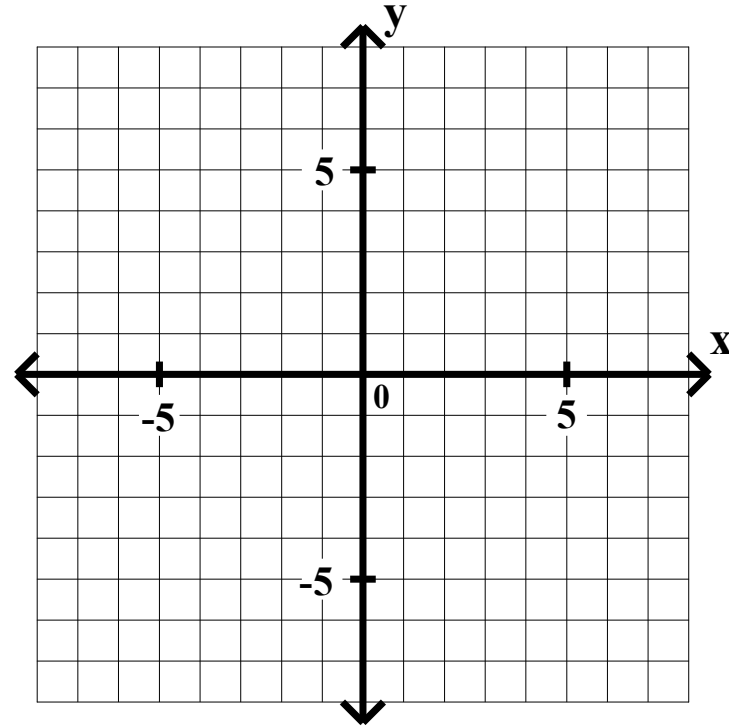
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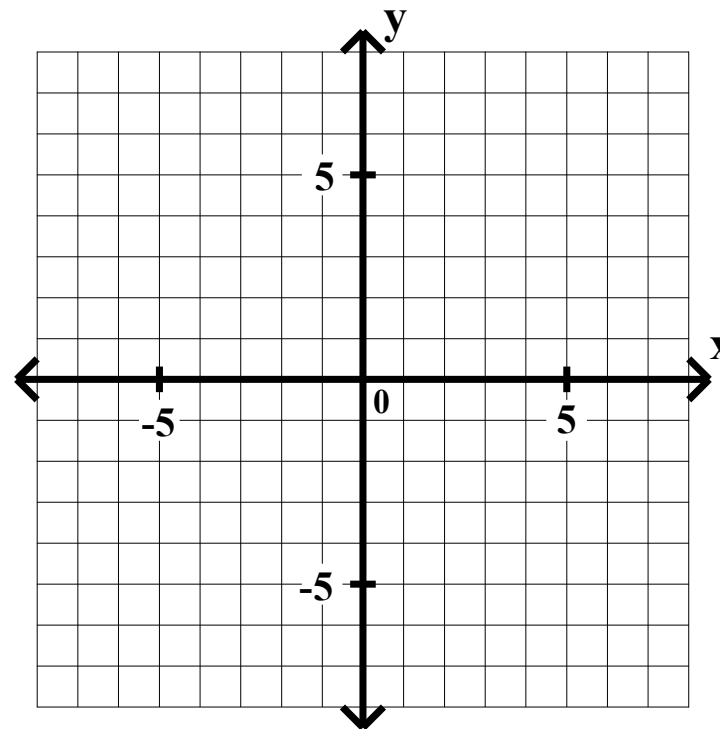
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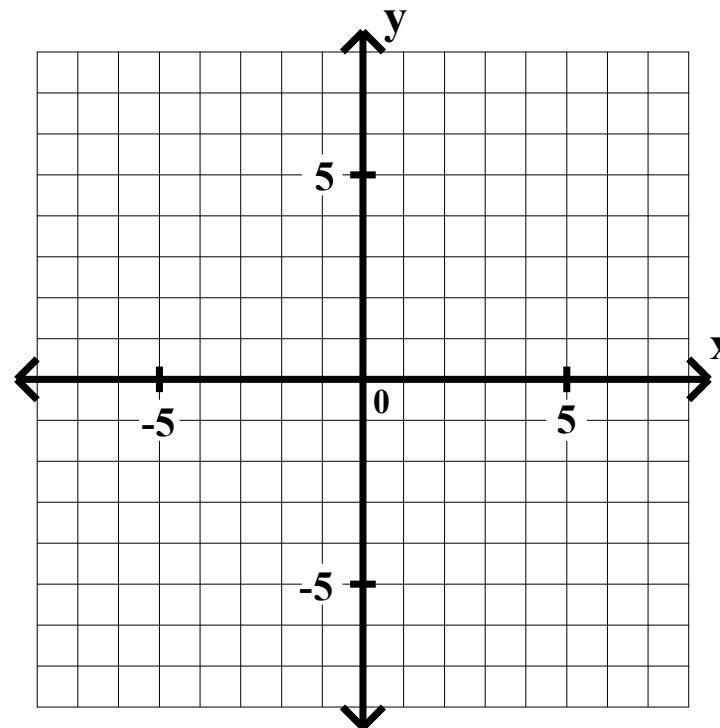
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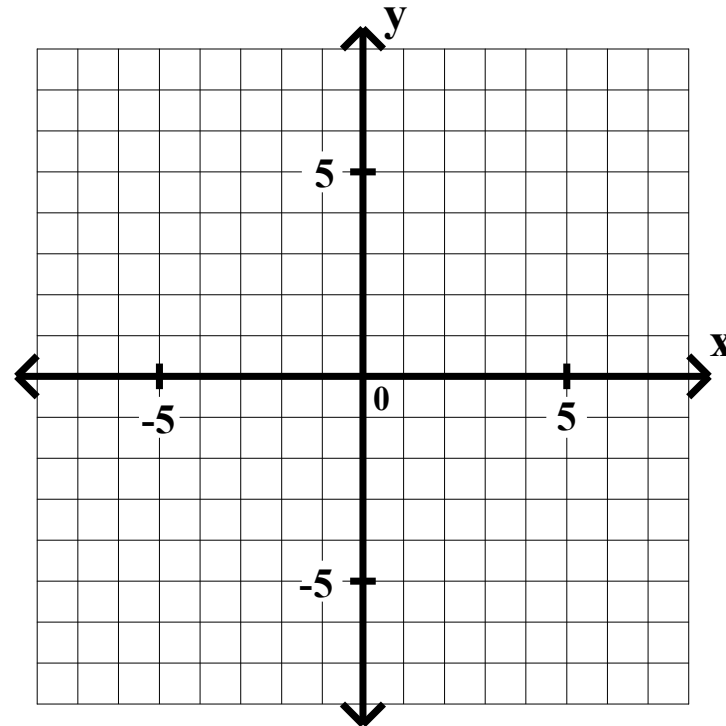
Algebra II CWS #2 Unit 4

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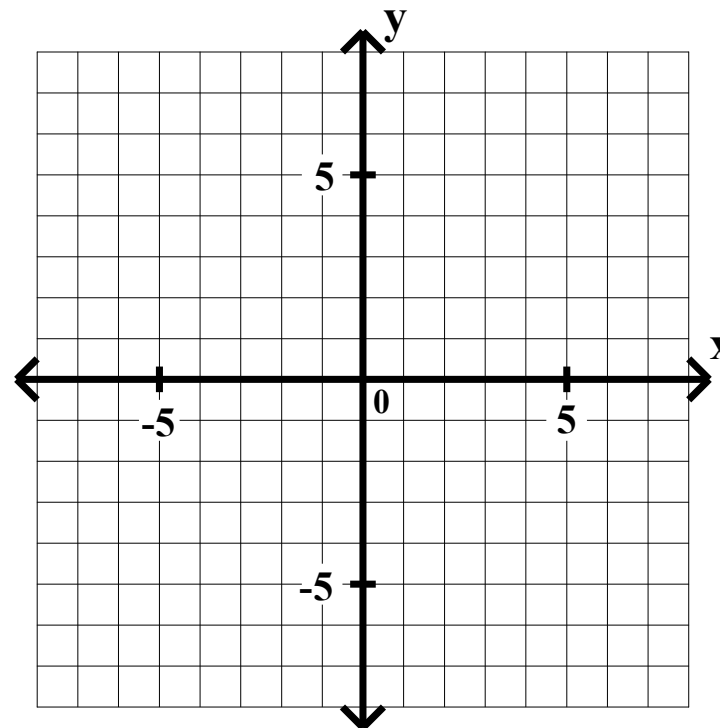
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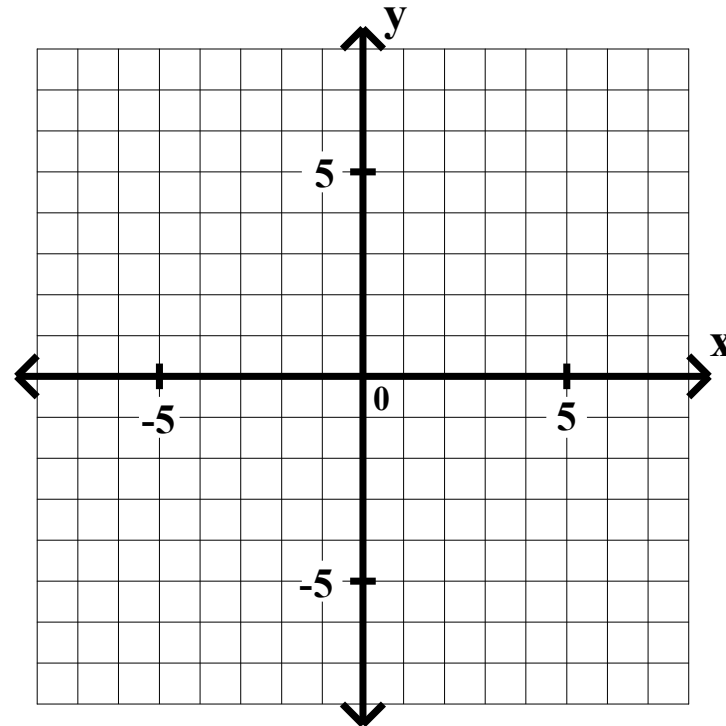
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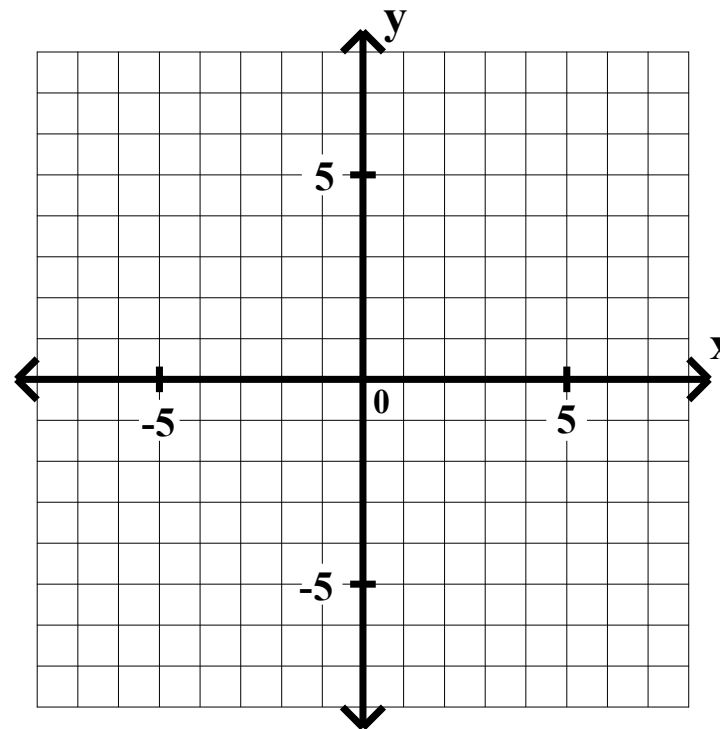
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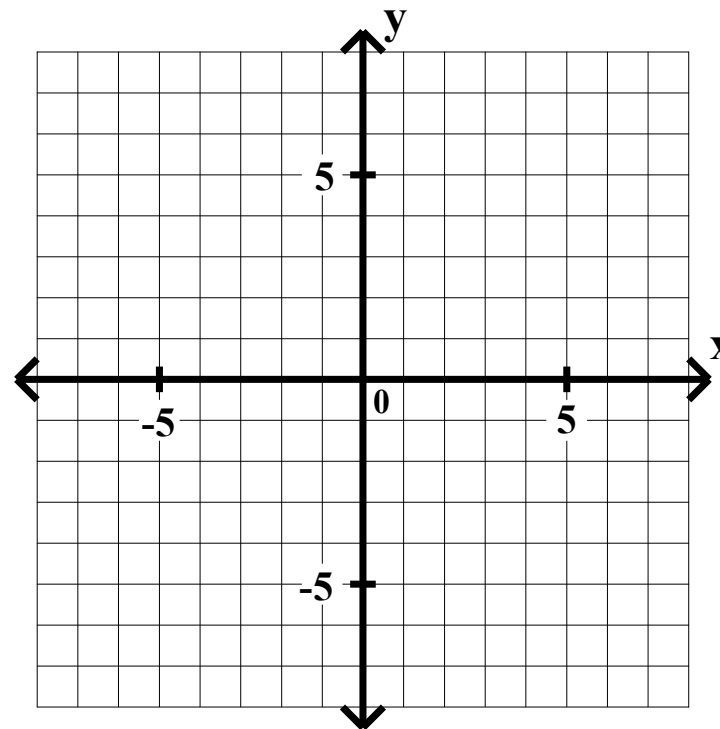
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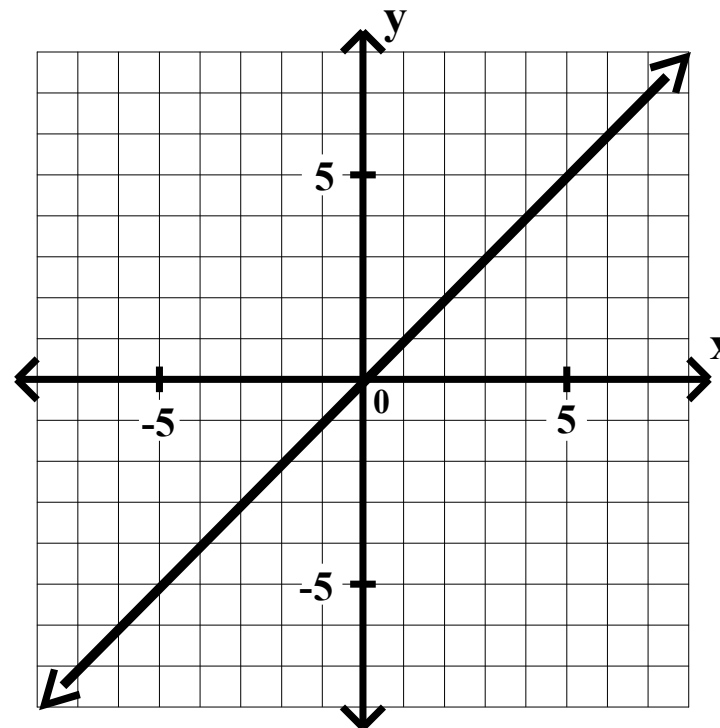
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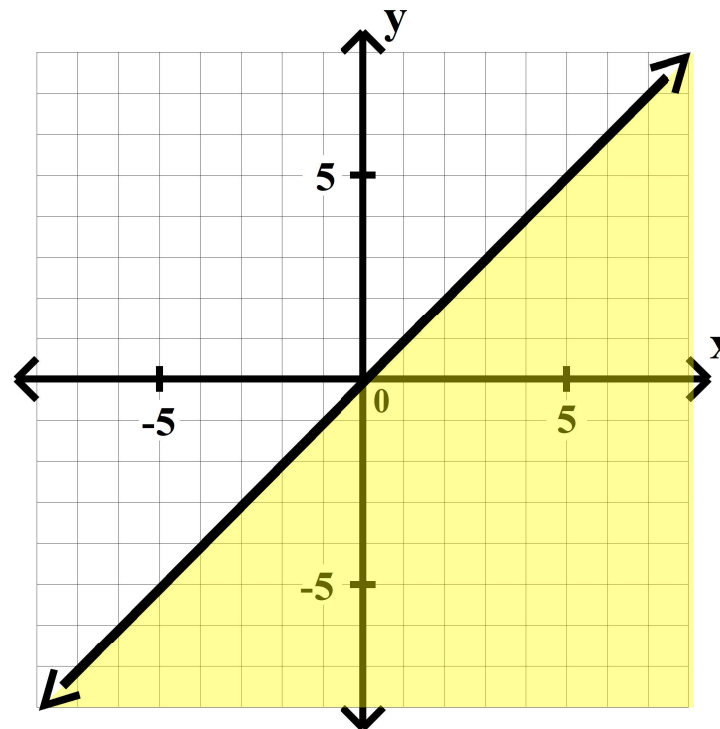
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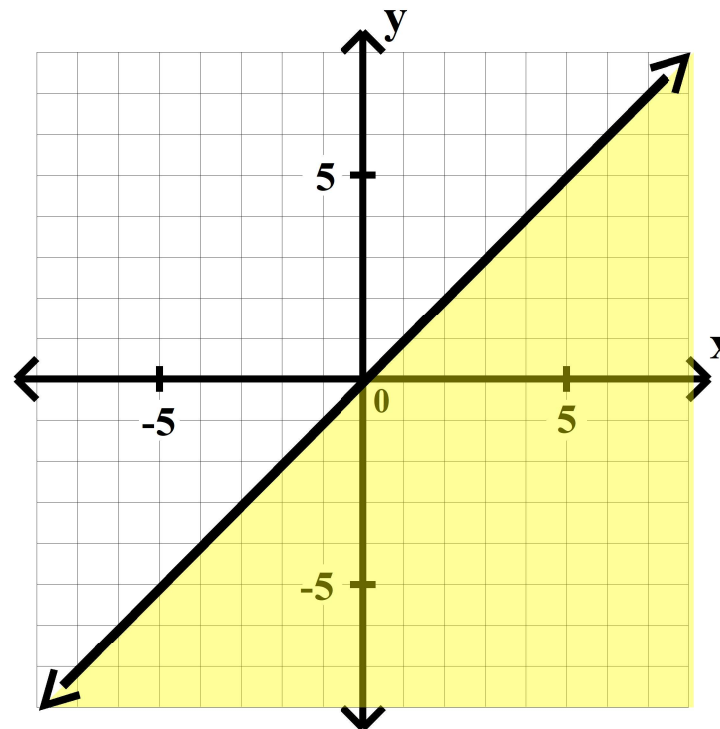
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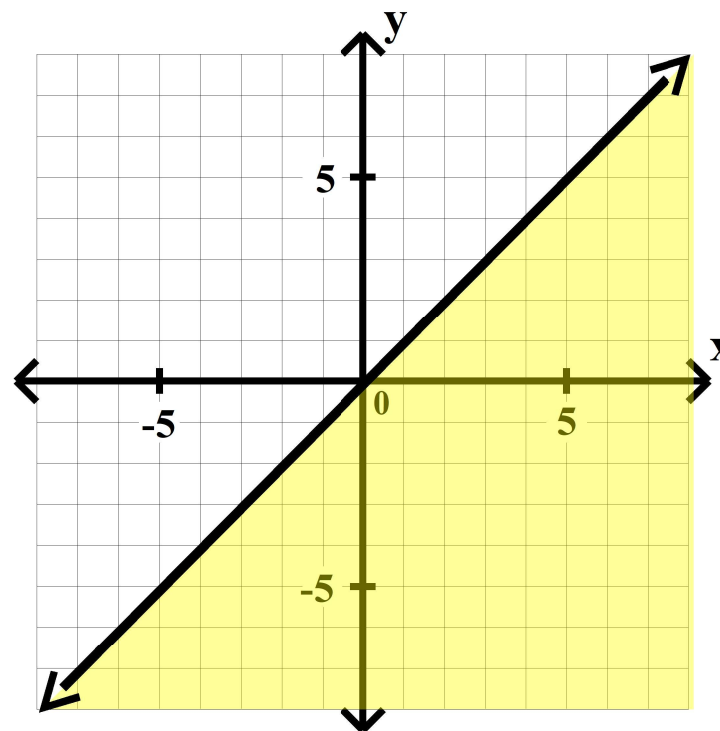
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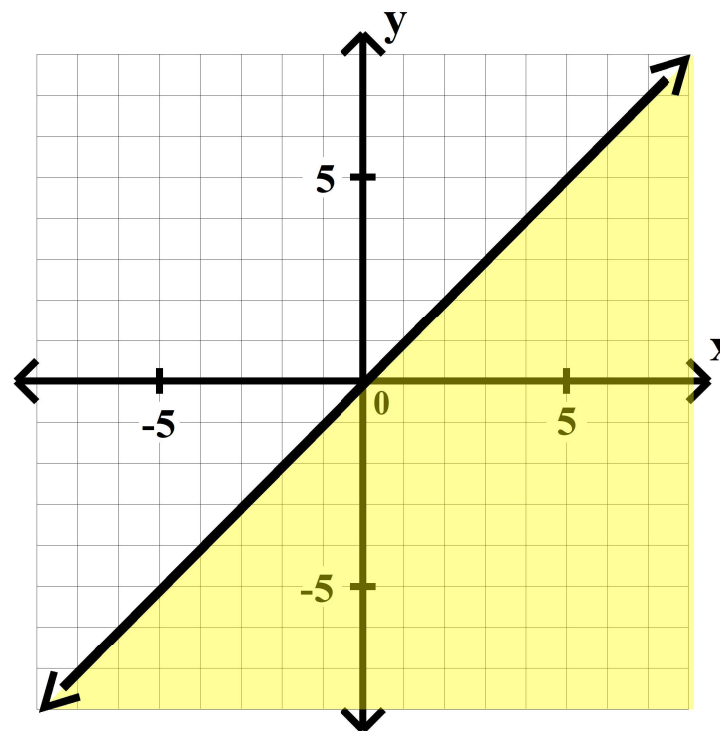
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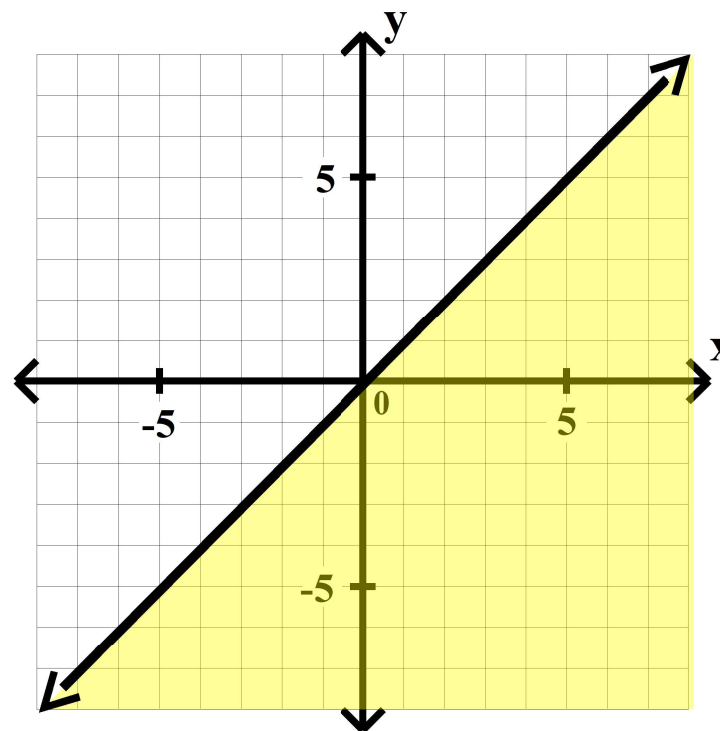
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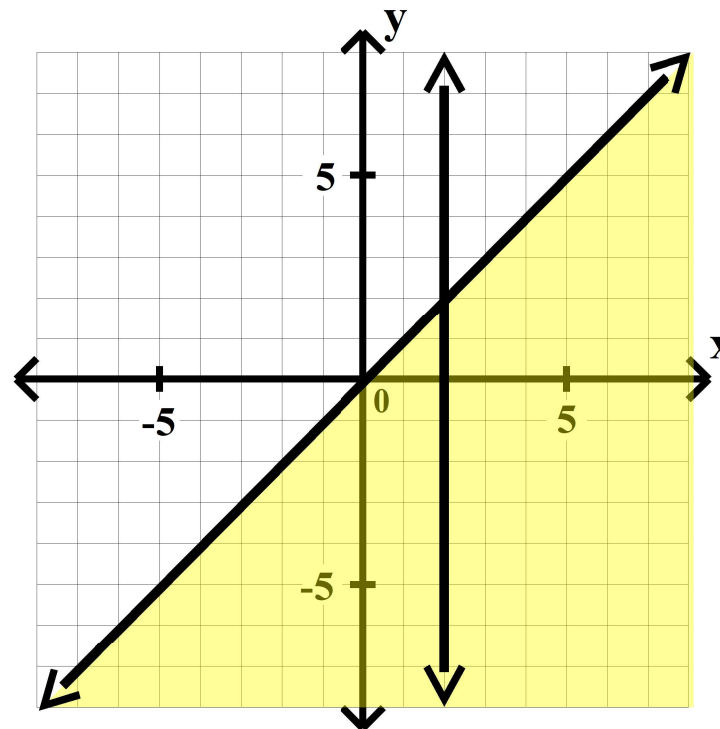
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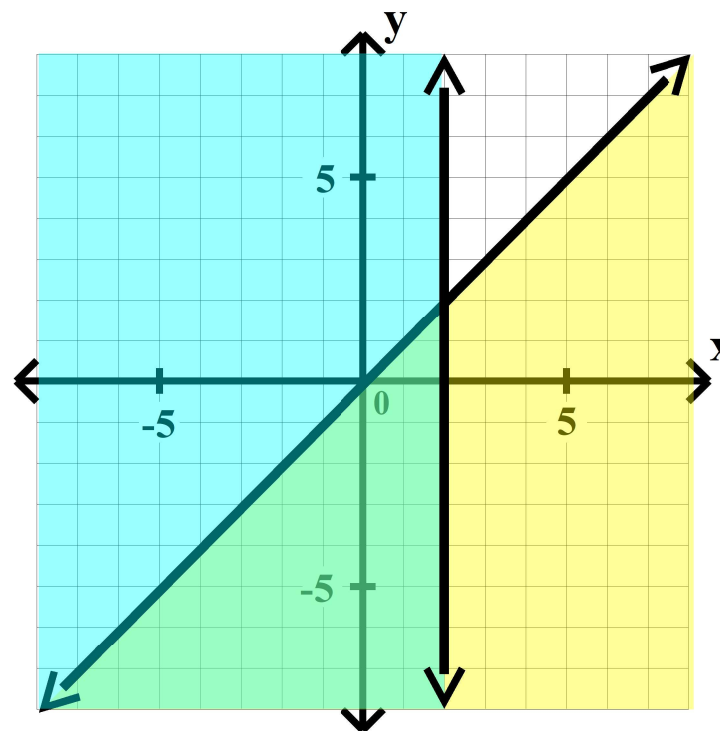
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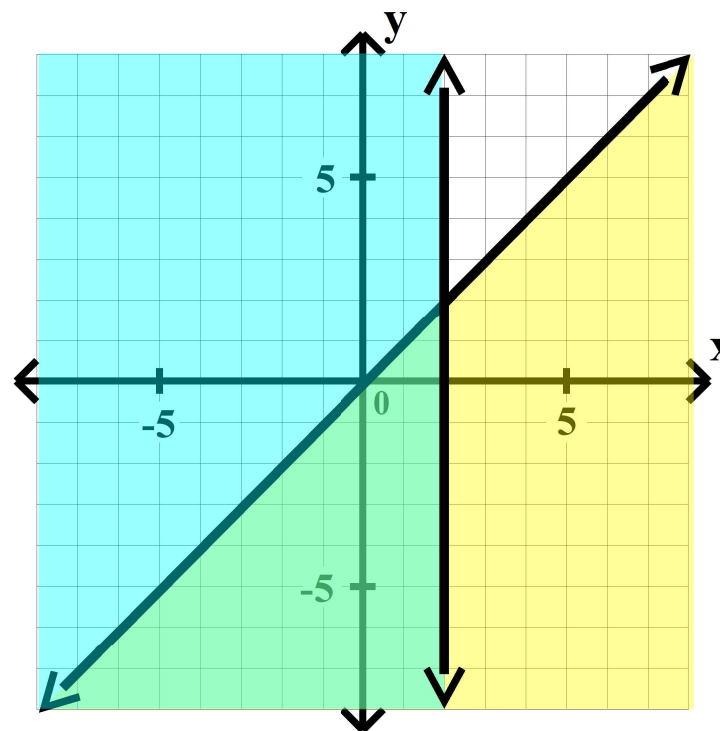
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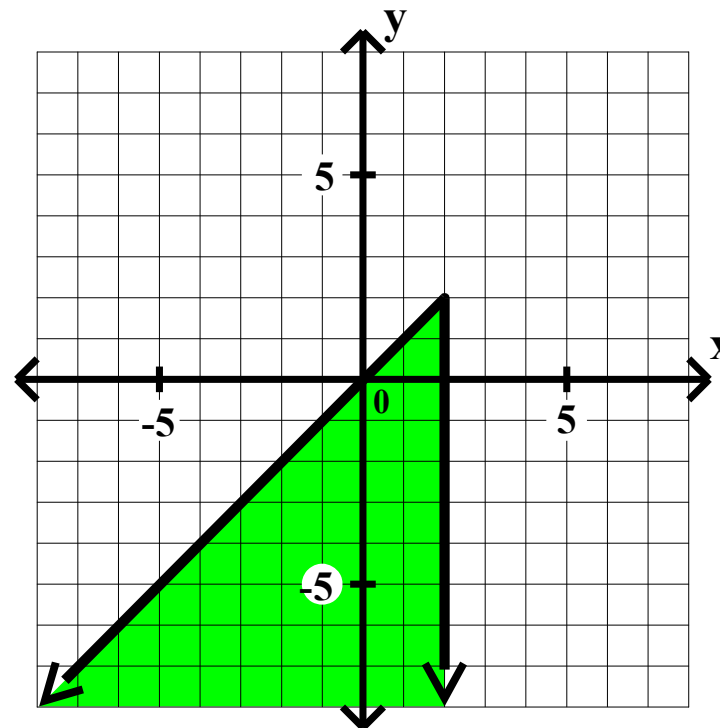
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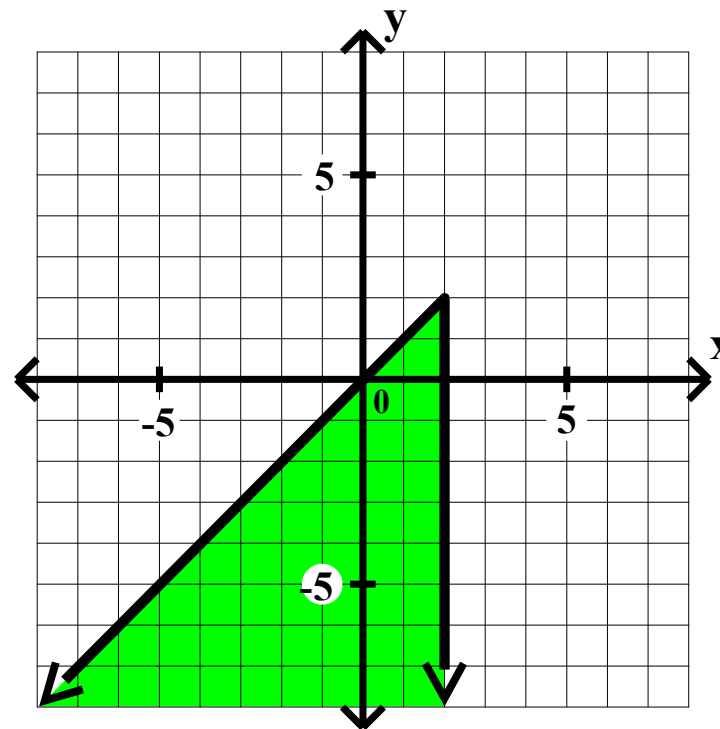
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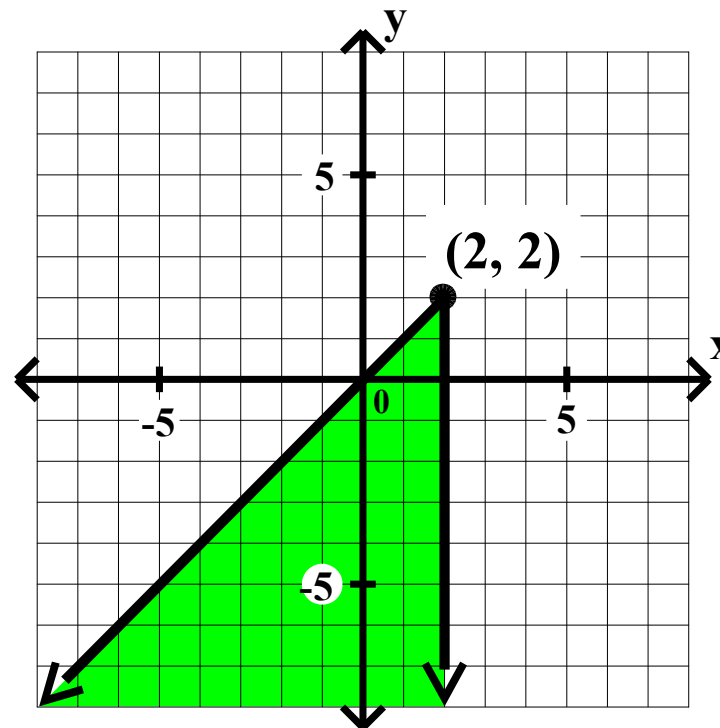
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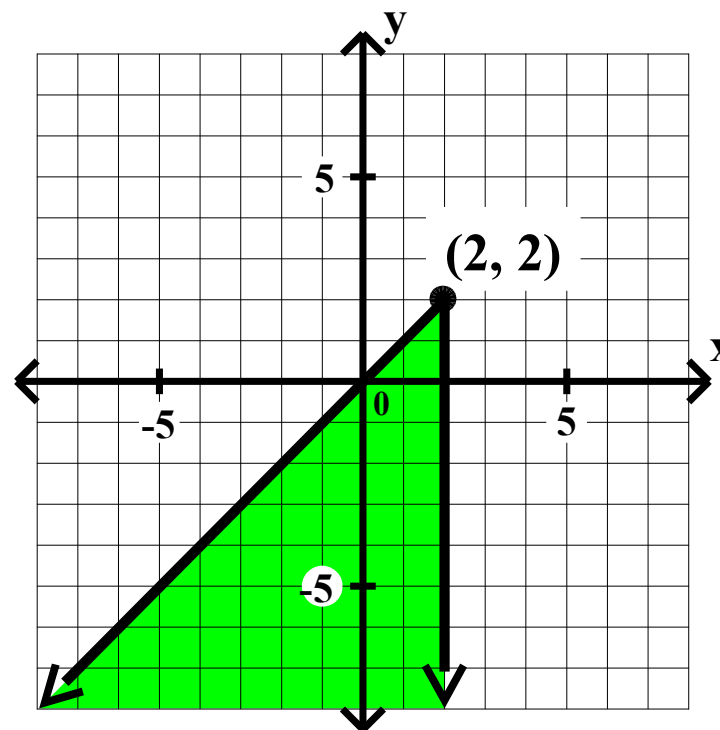
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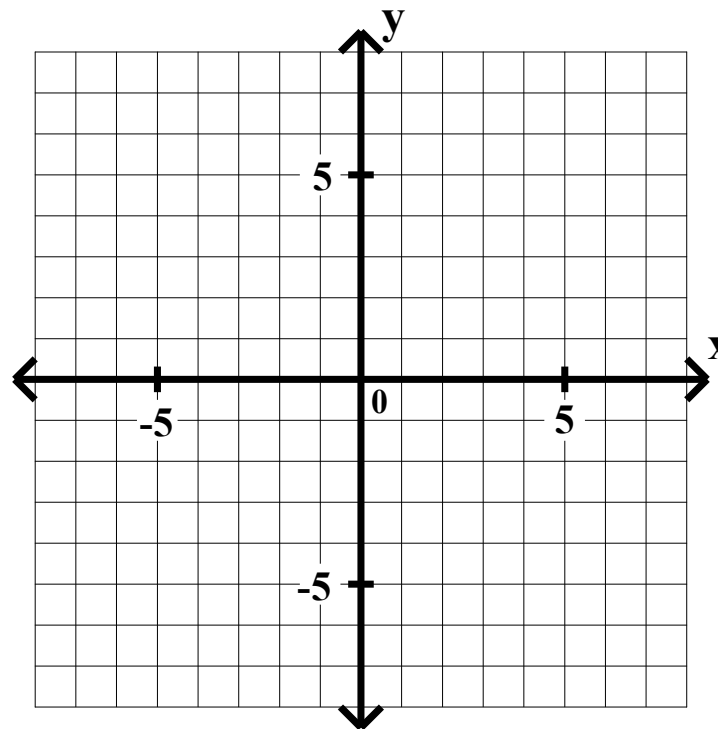
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Algebra II CWS #2 Unit 4

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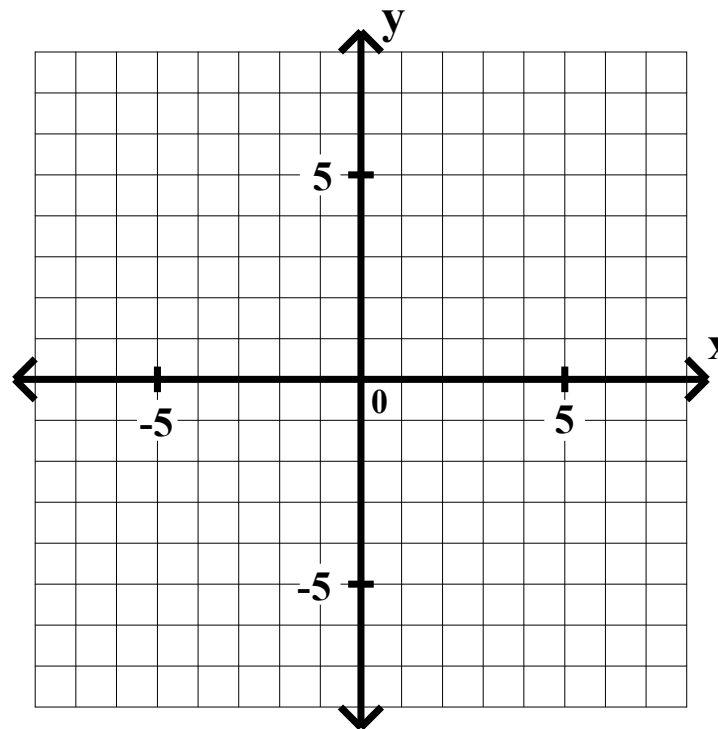


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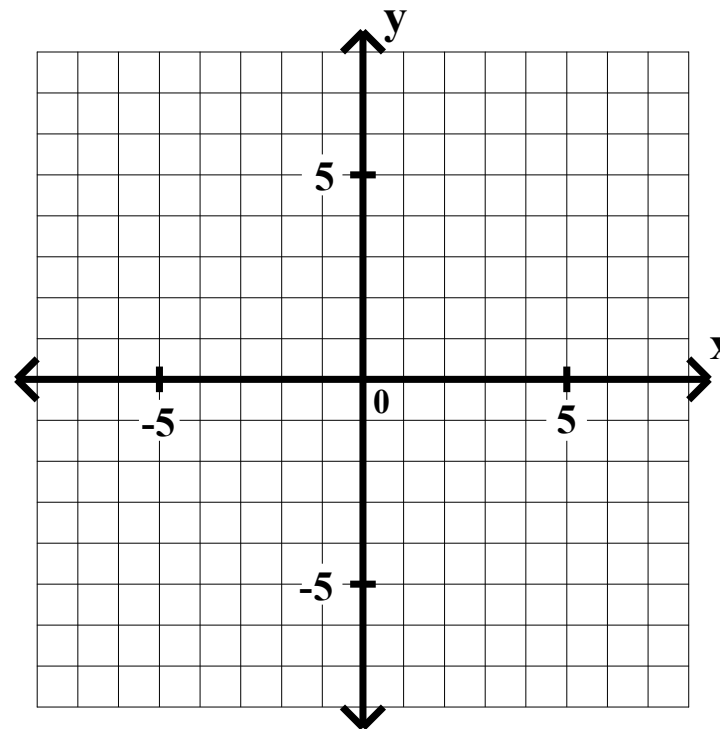
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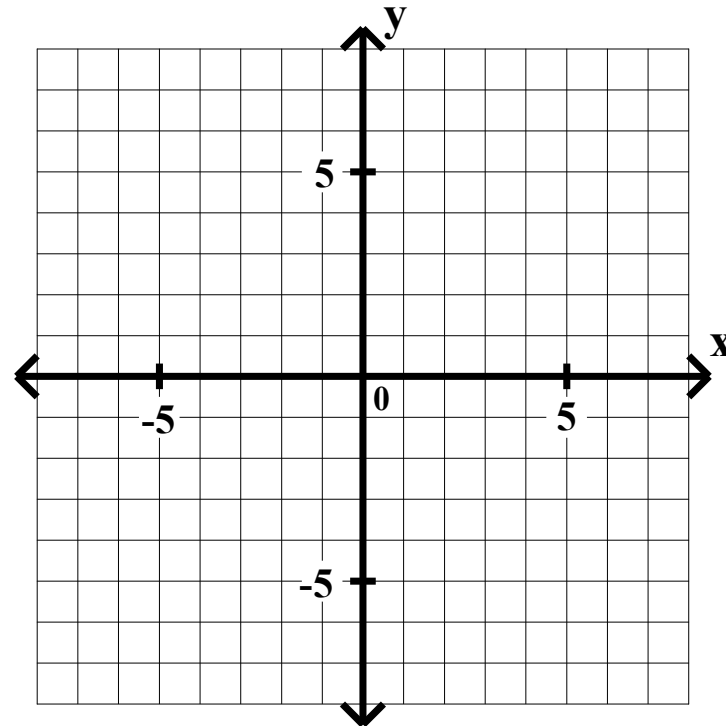
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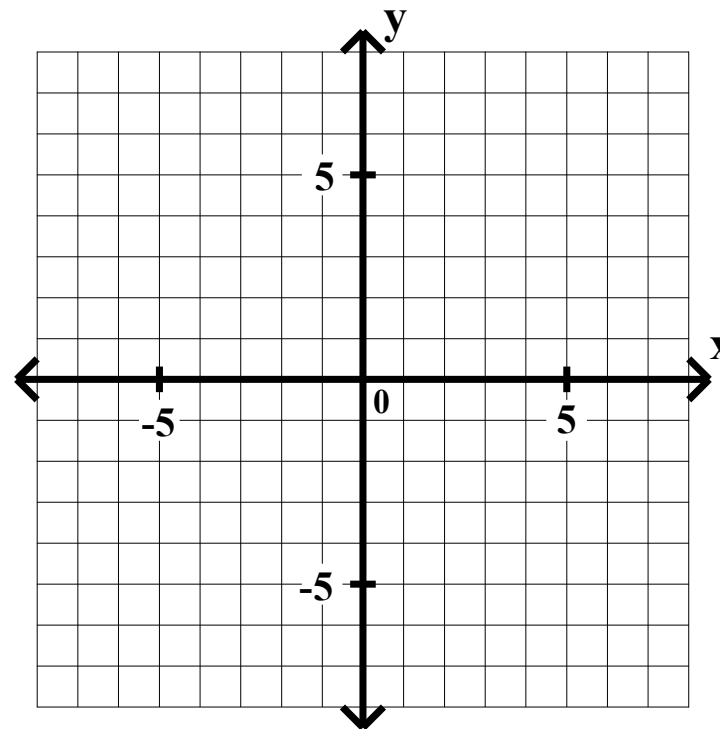
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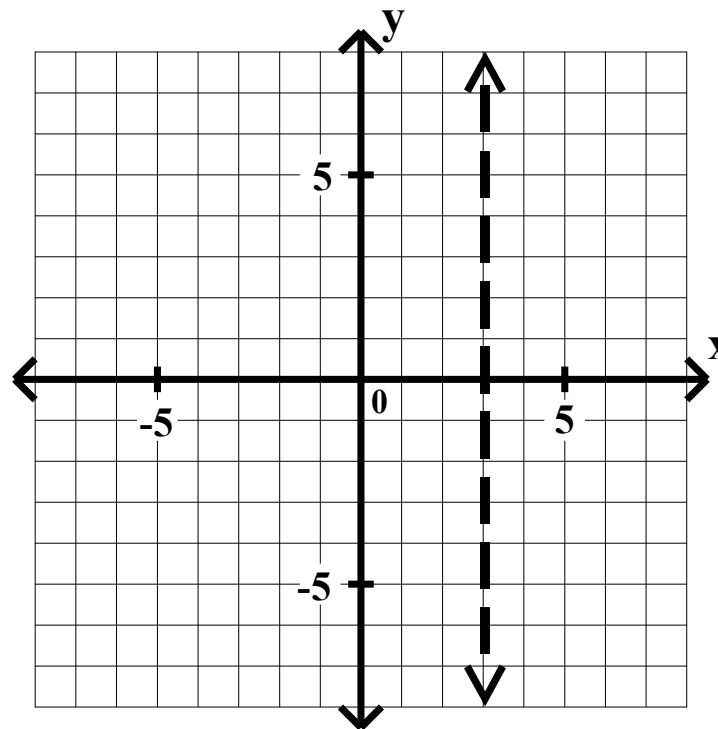
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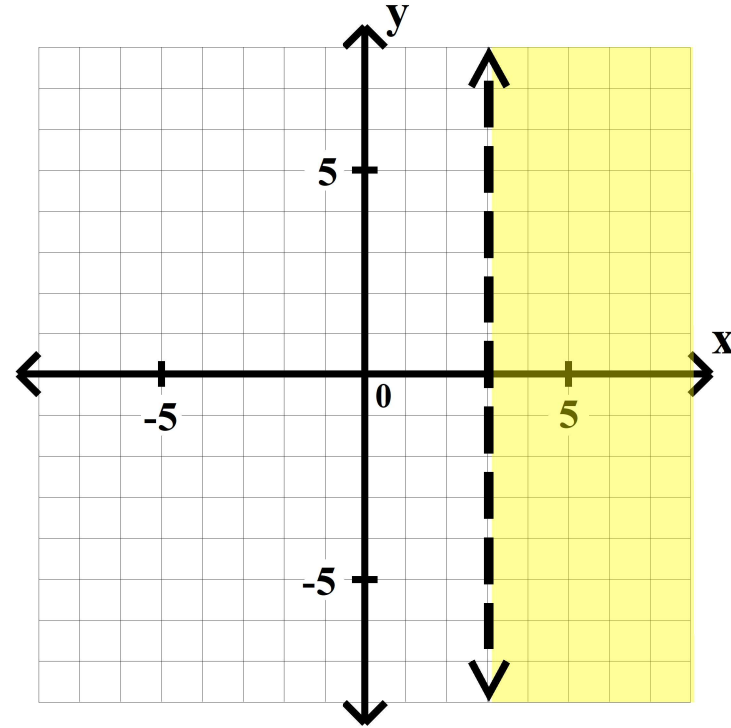
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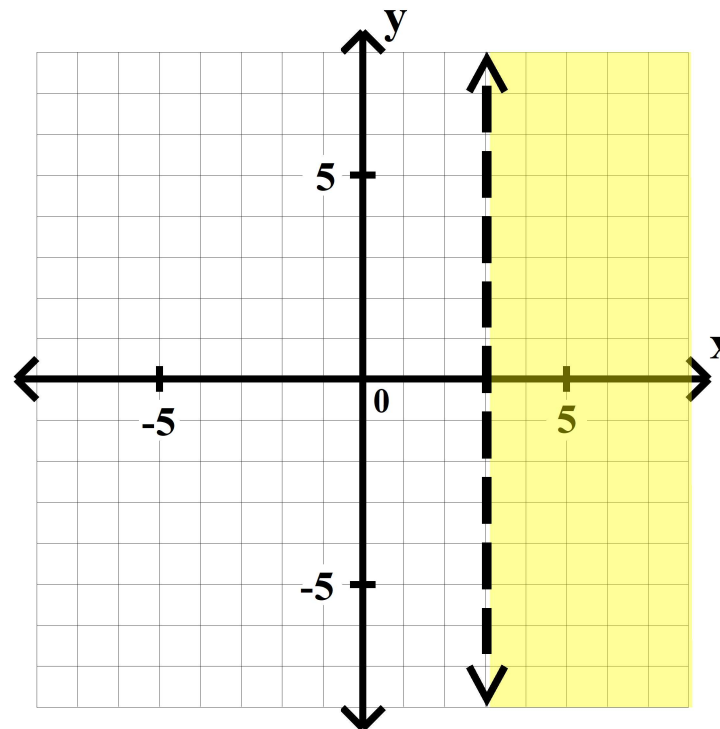
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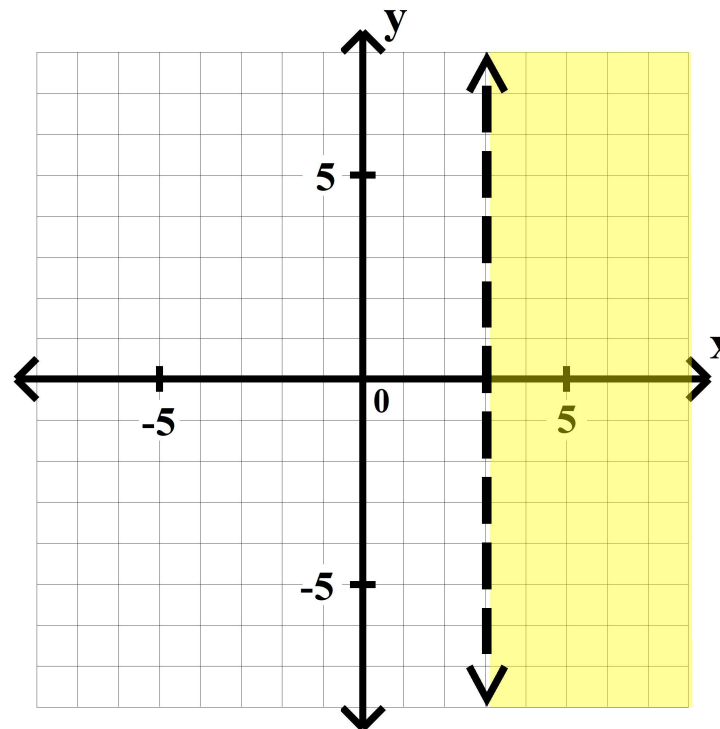
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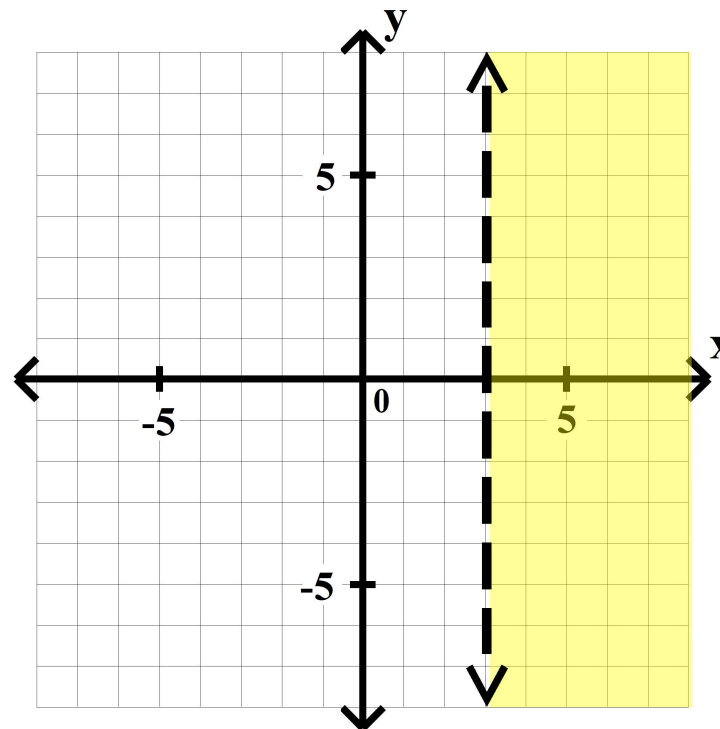
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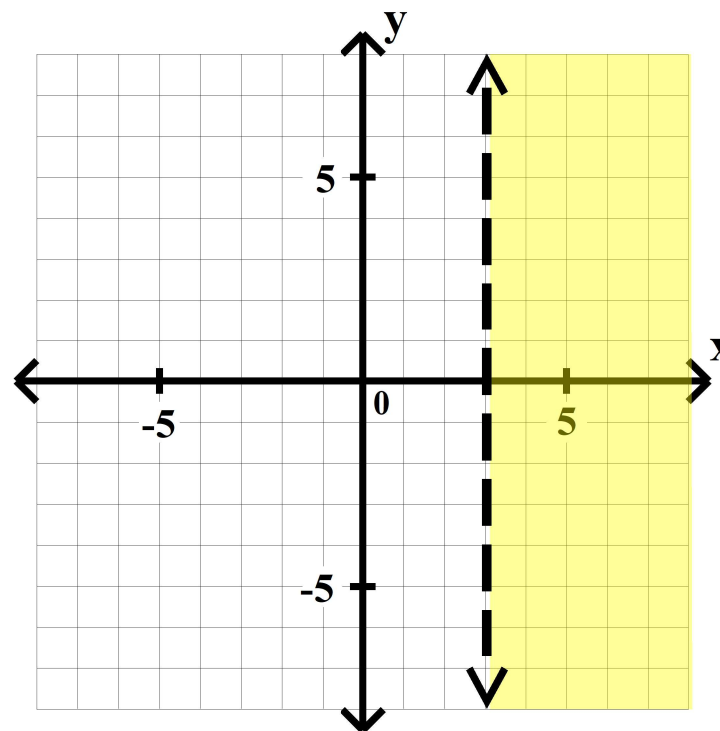
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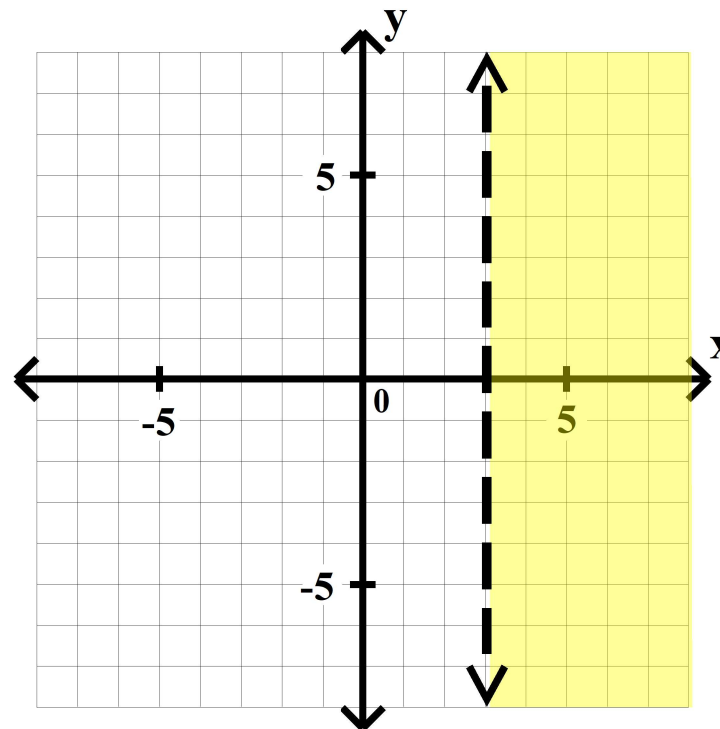
Algebra II CWS #2 Unit 4

Compound Inequalities with Two Variables

Graph the solution set of each of the following compound inequalities.
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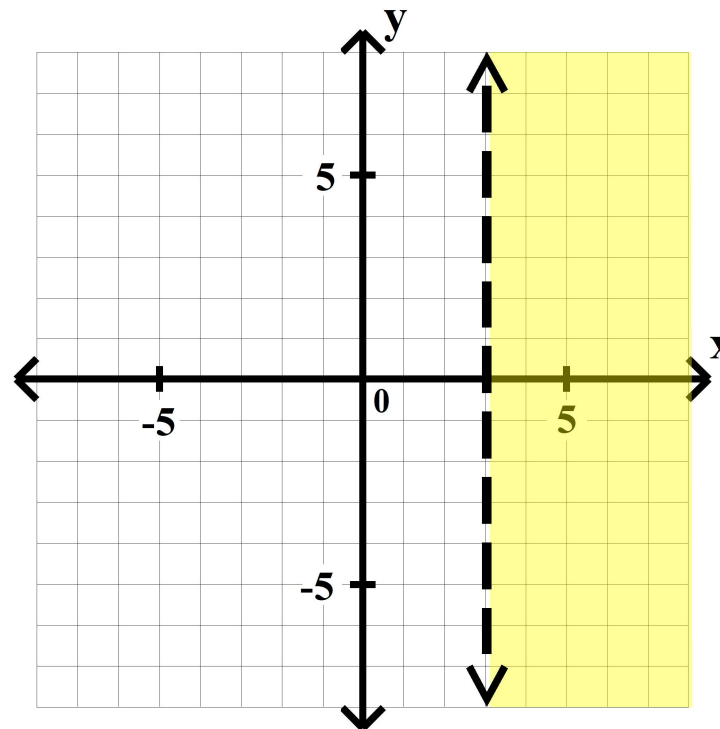
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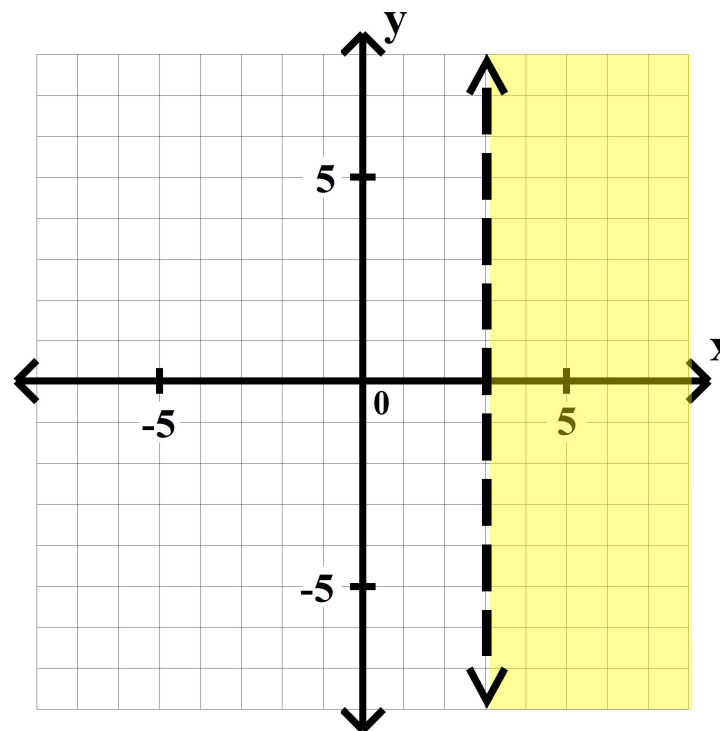
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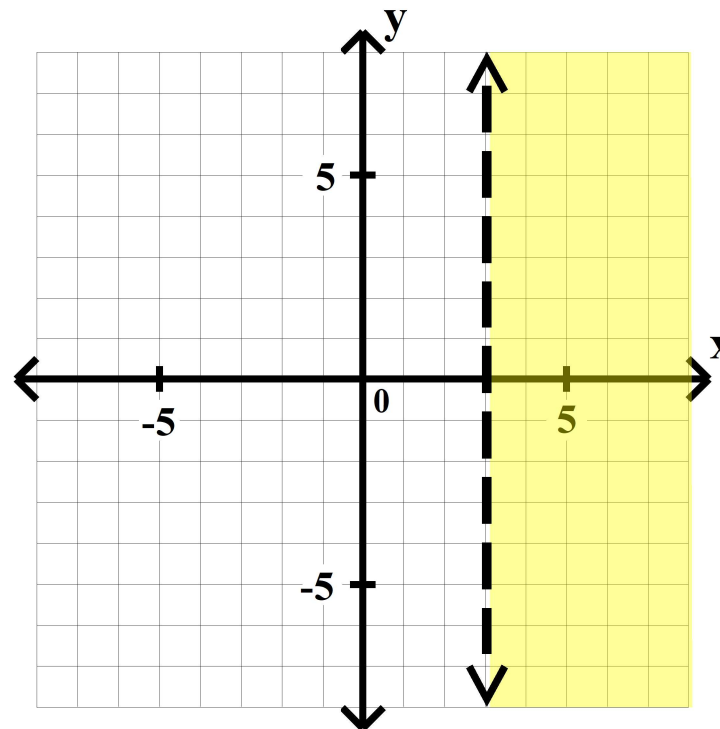
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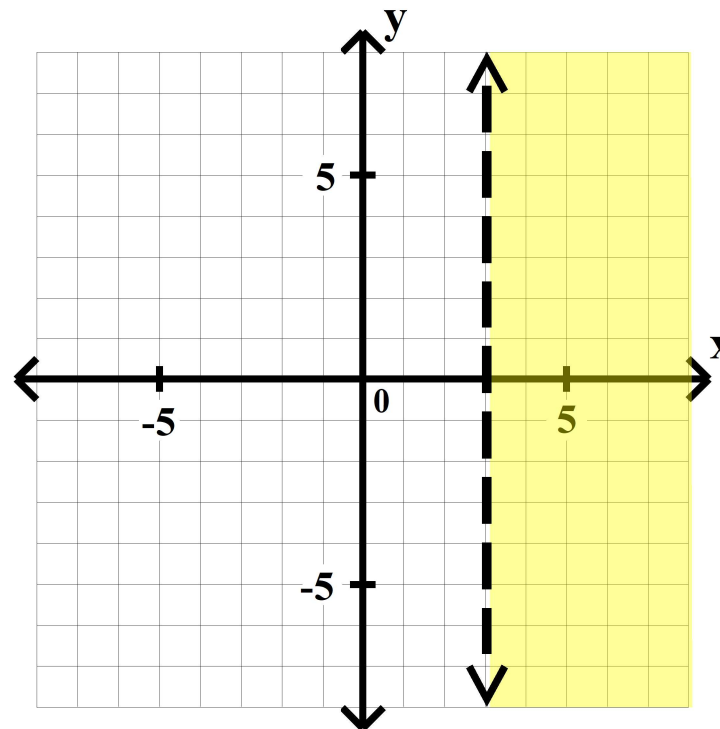
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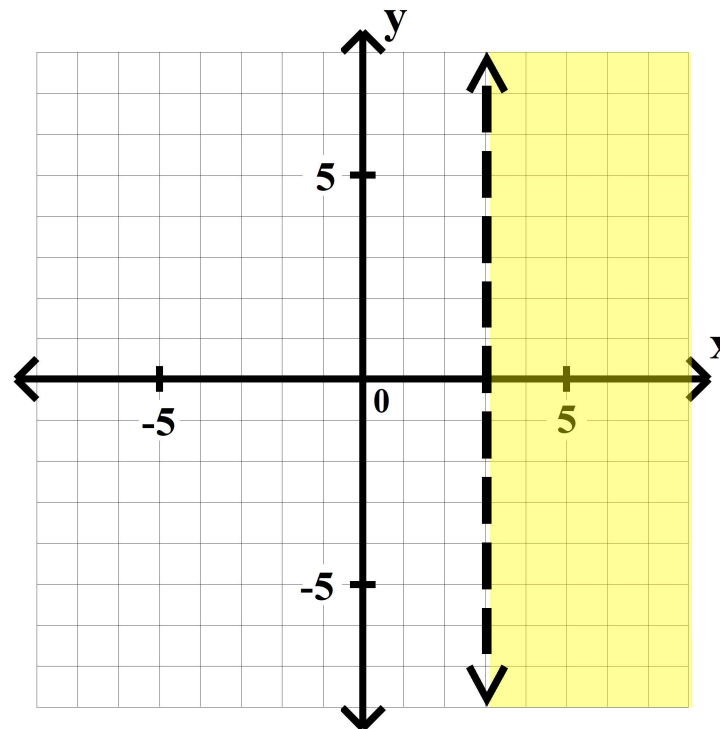
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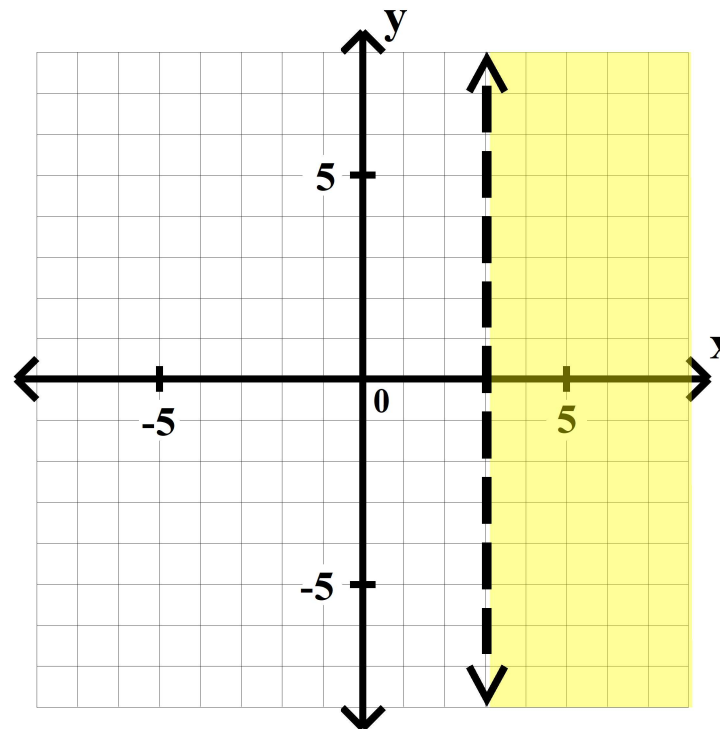
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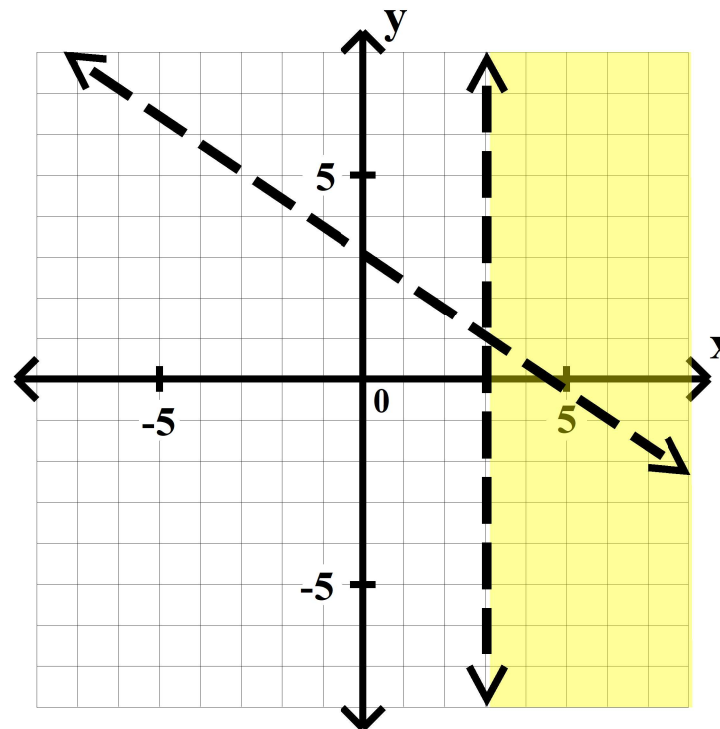
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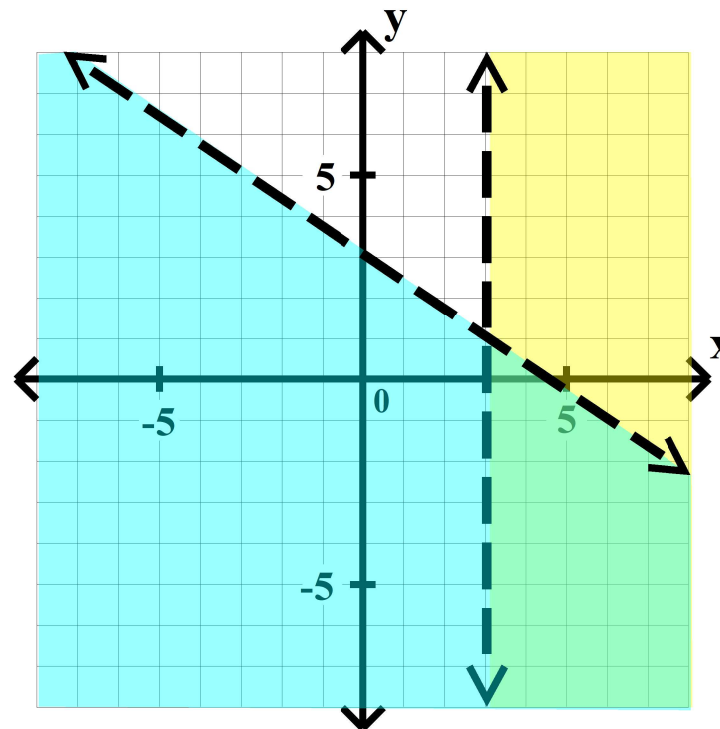
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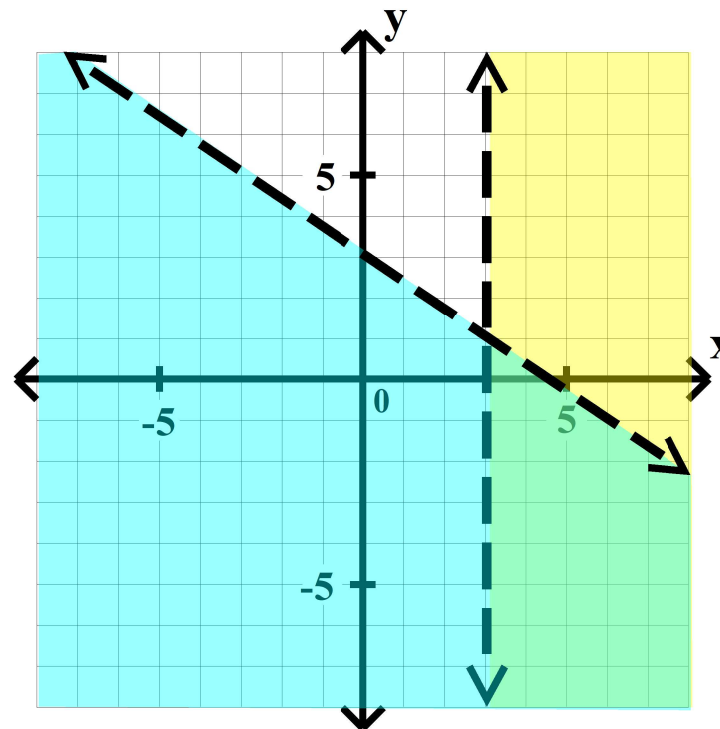
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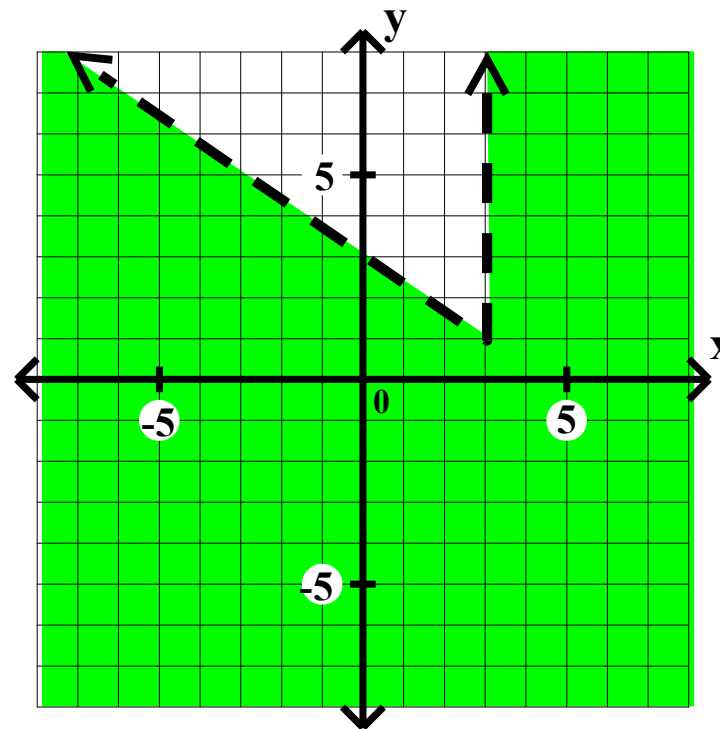
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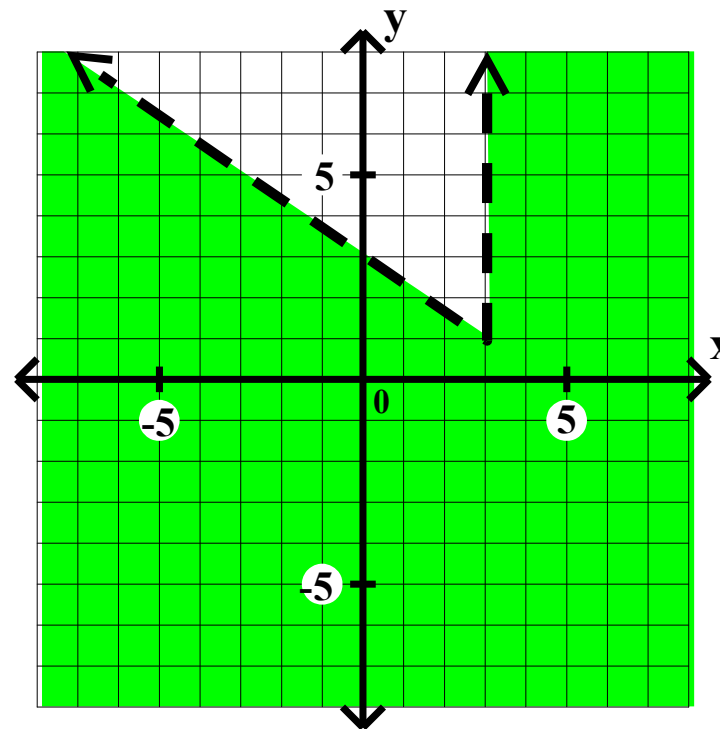
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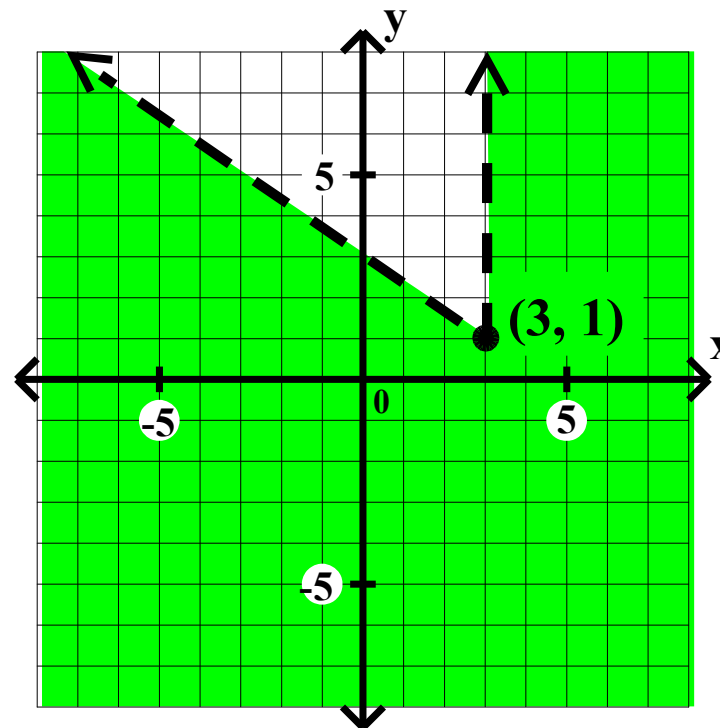
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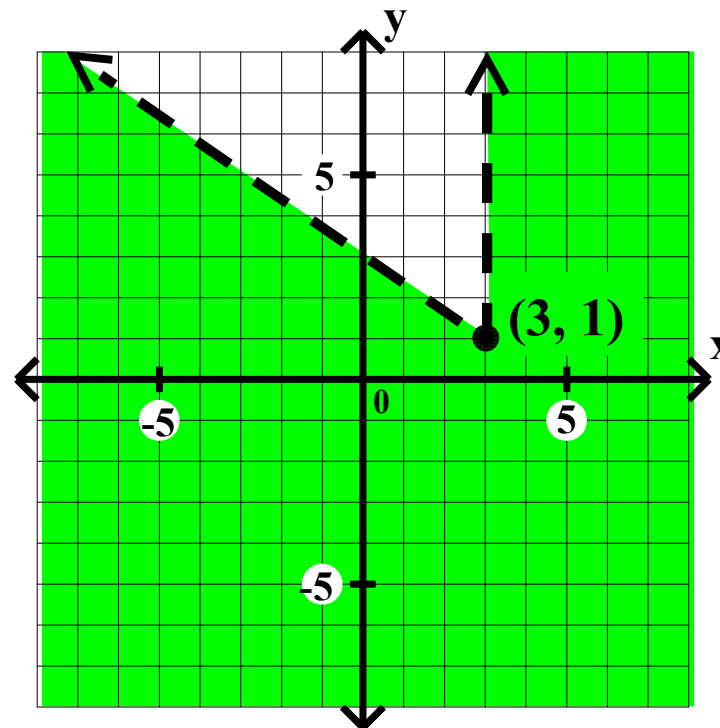
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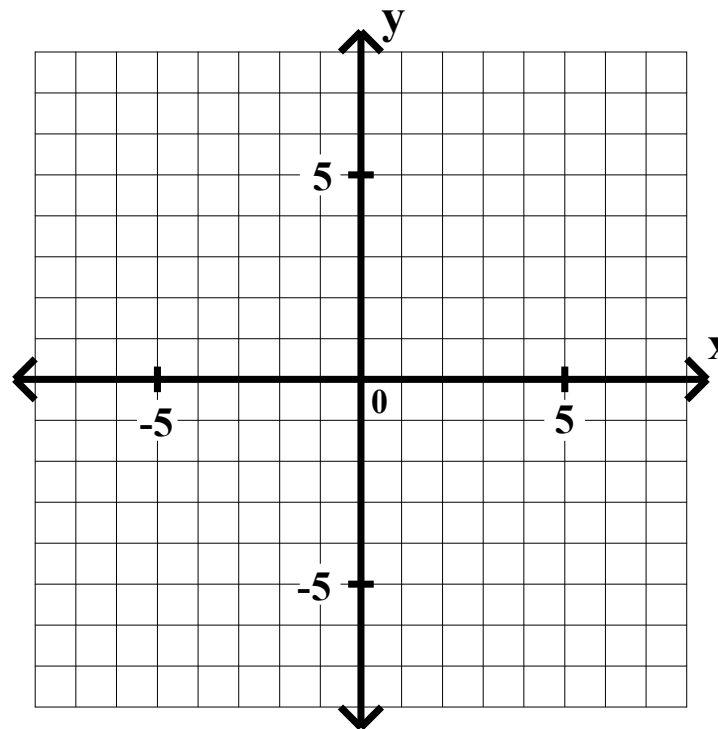
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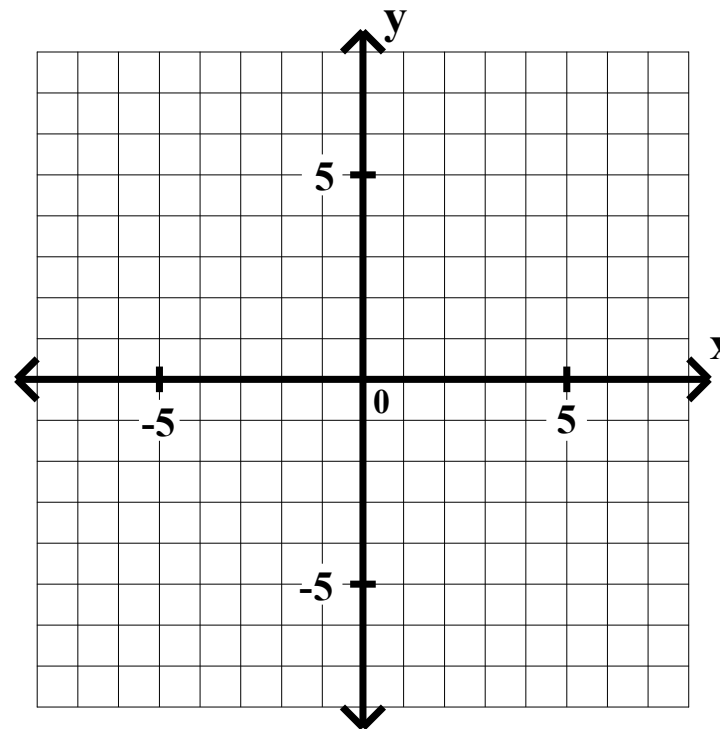


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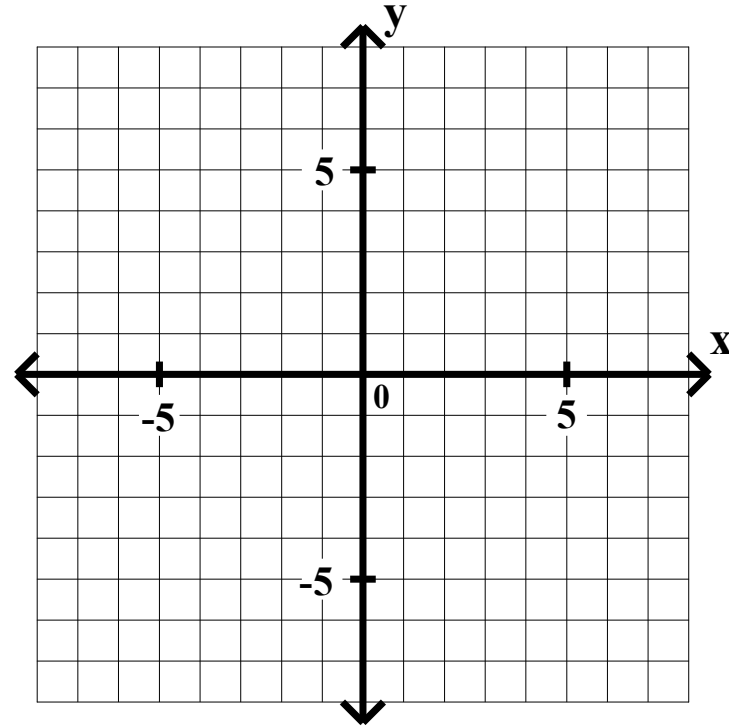
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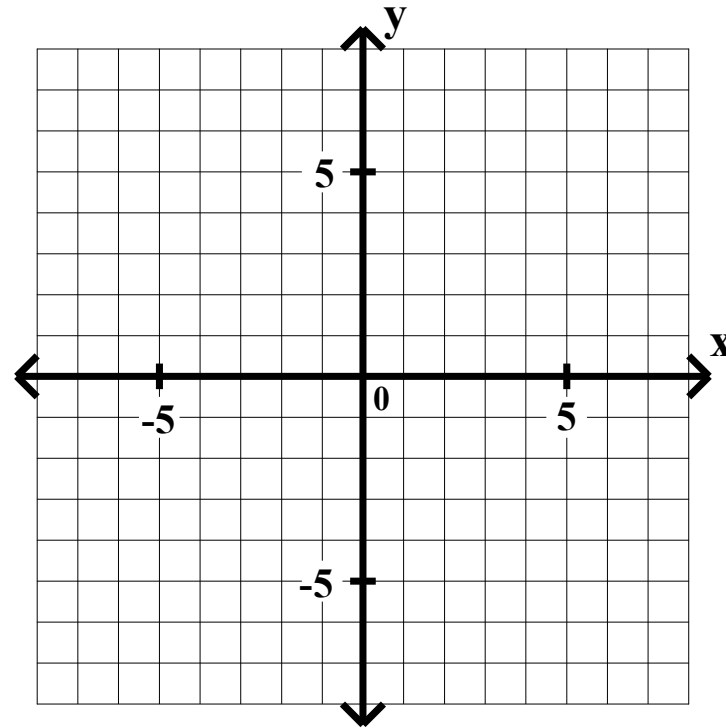
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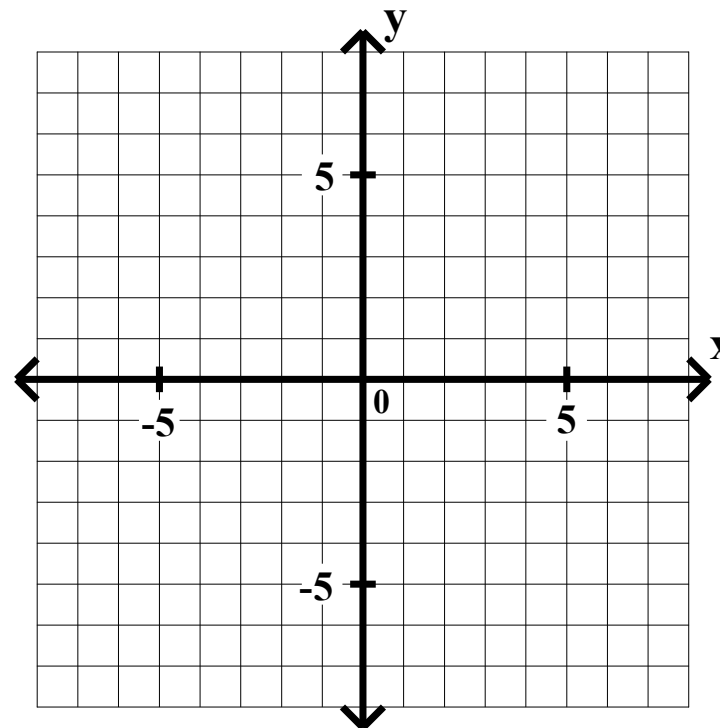
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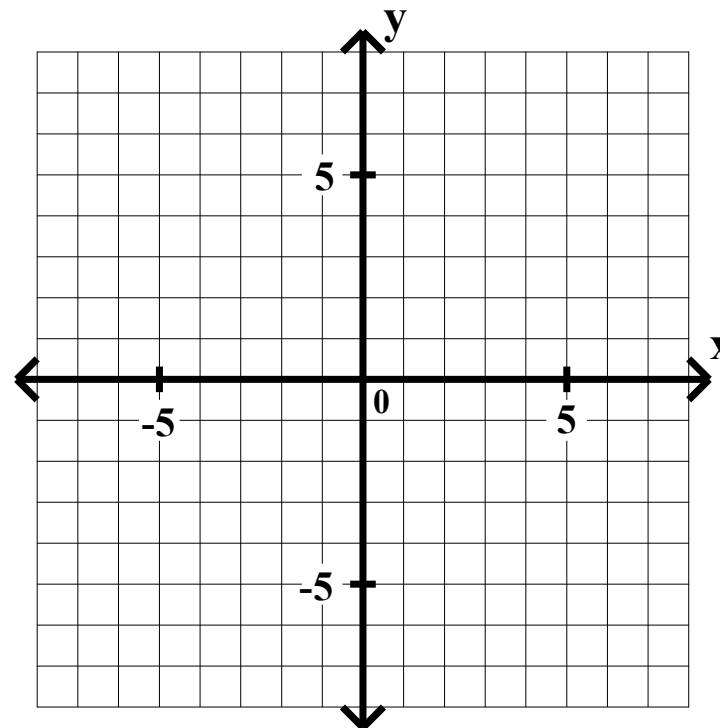
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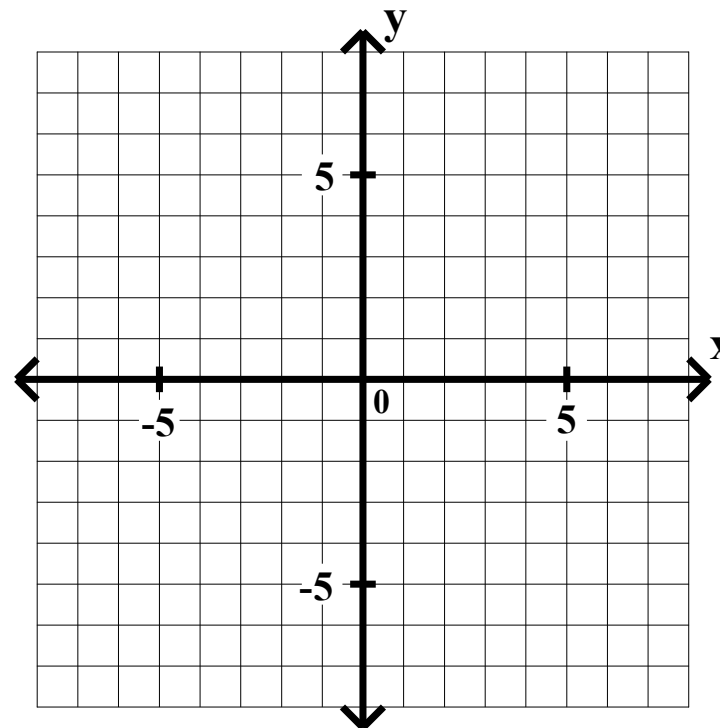
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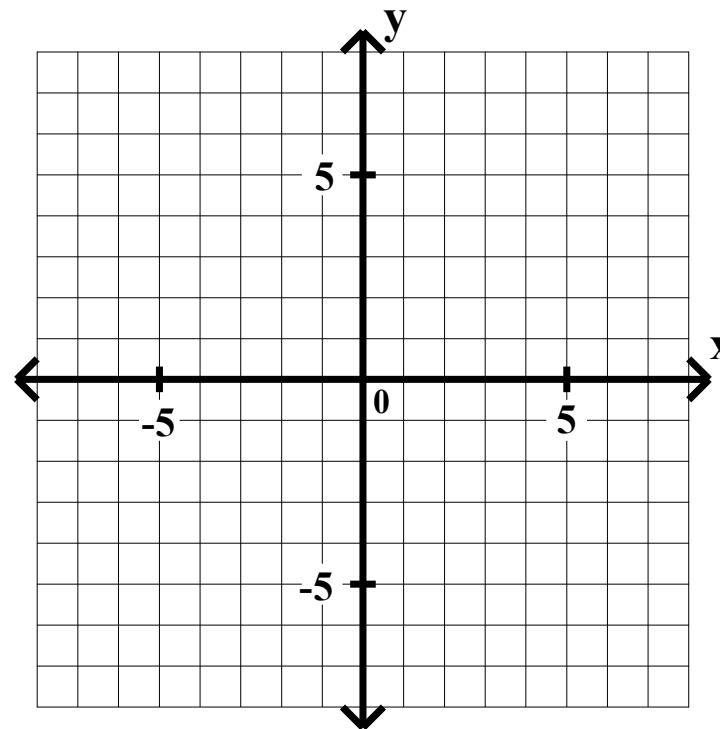
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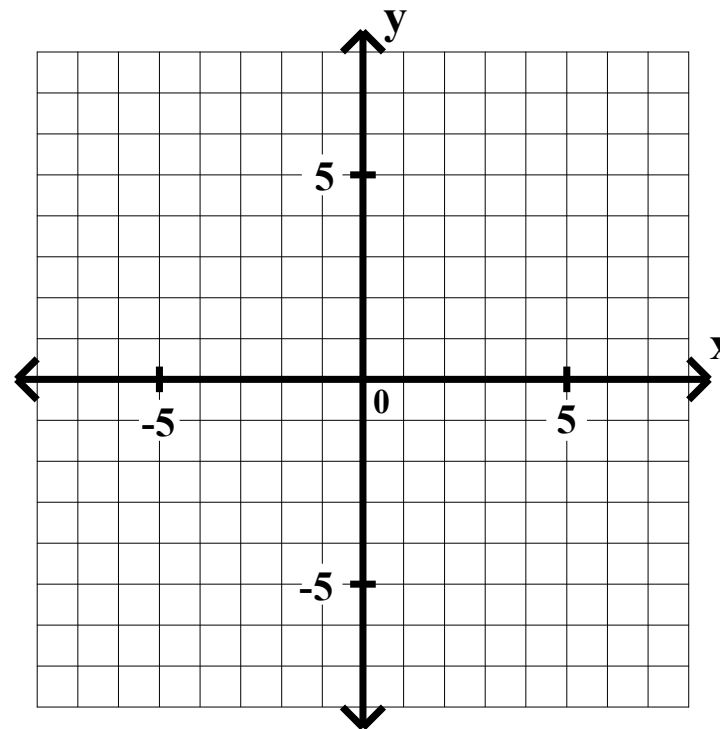
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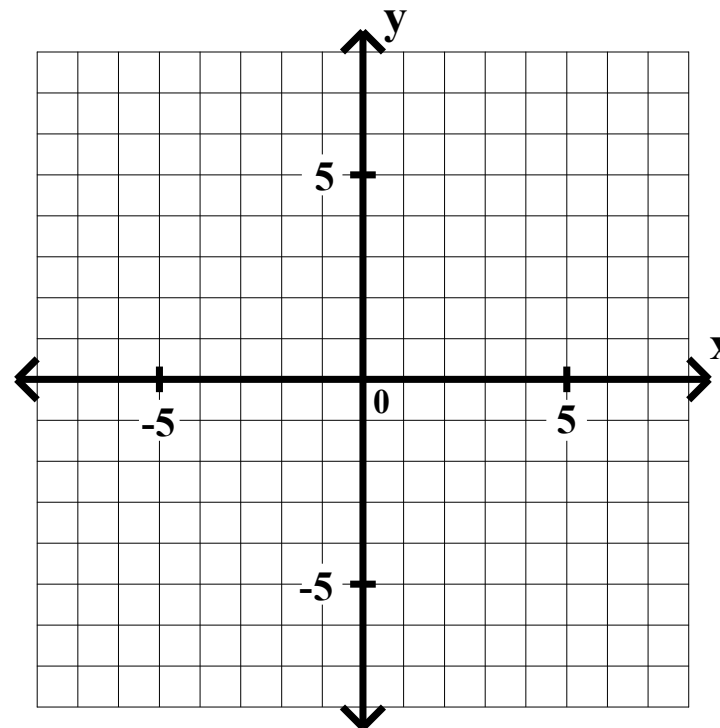
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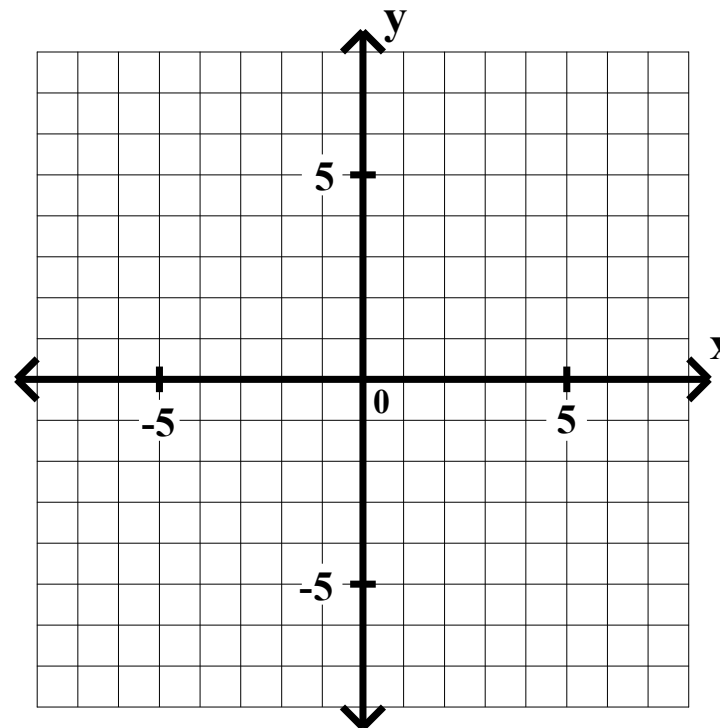
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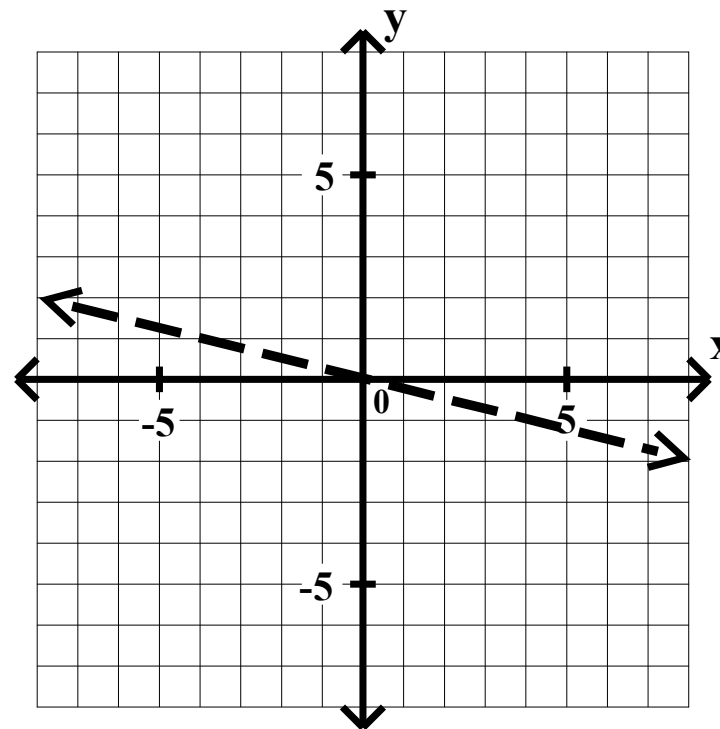
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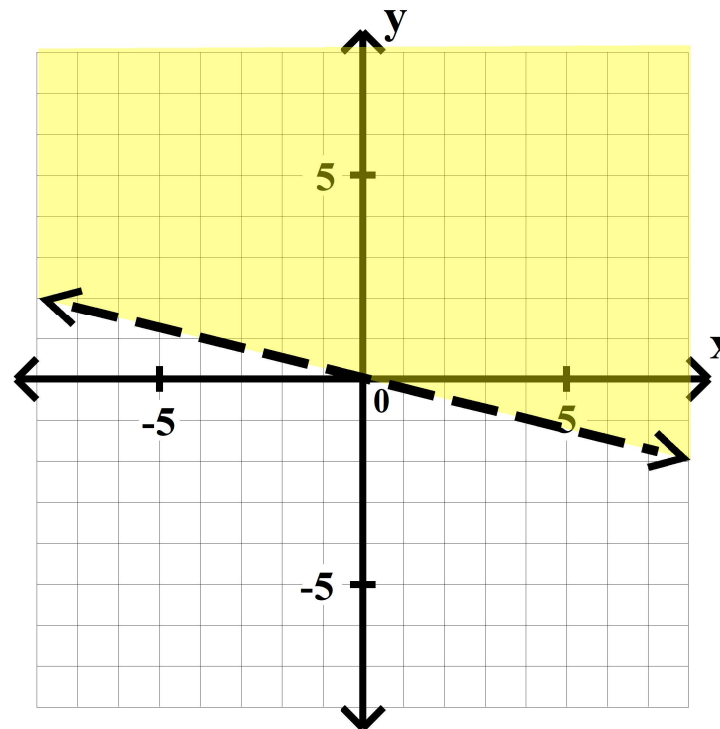
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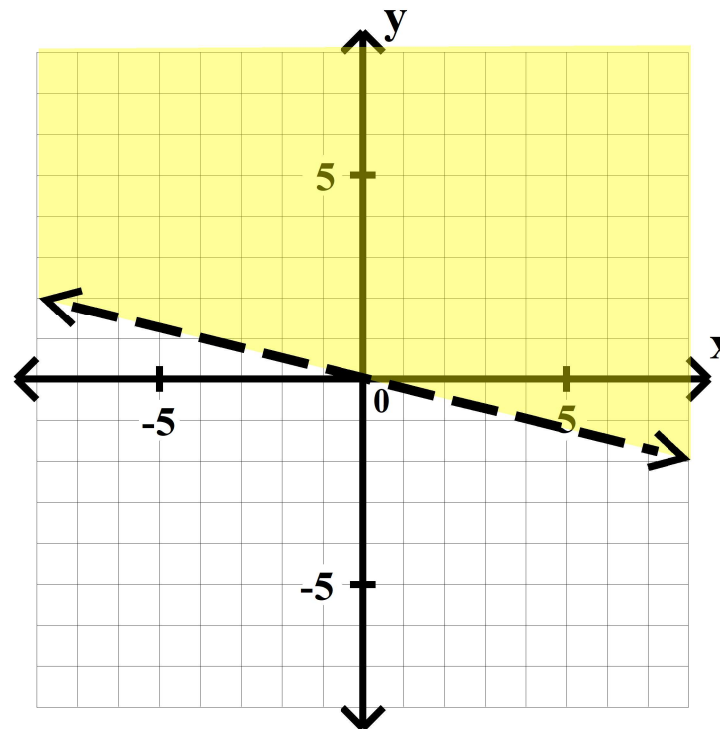
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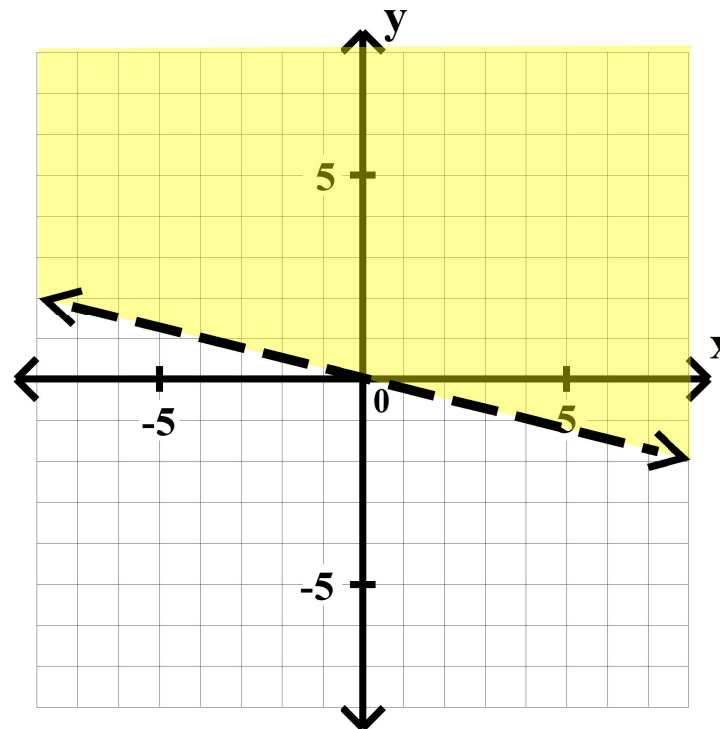
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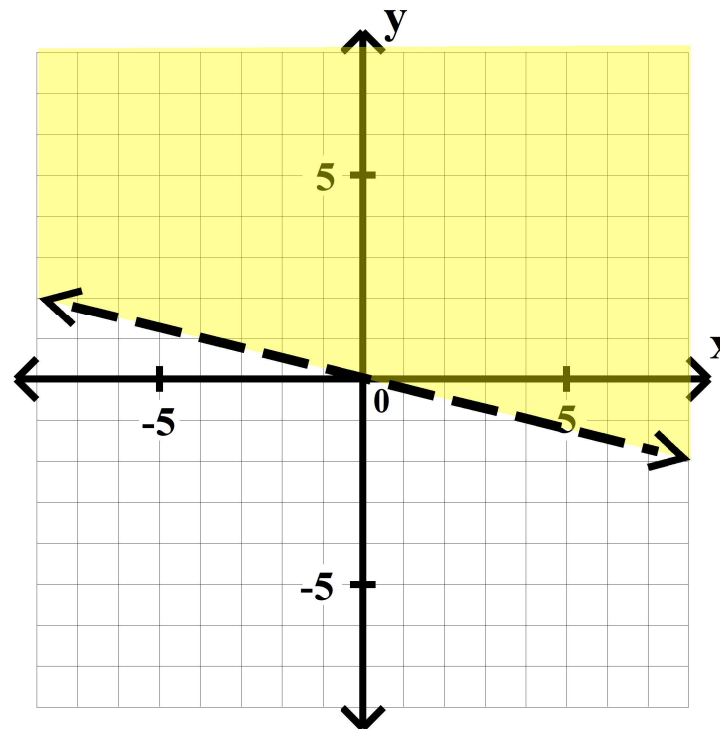
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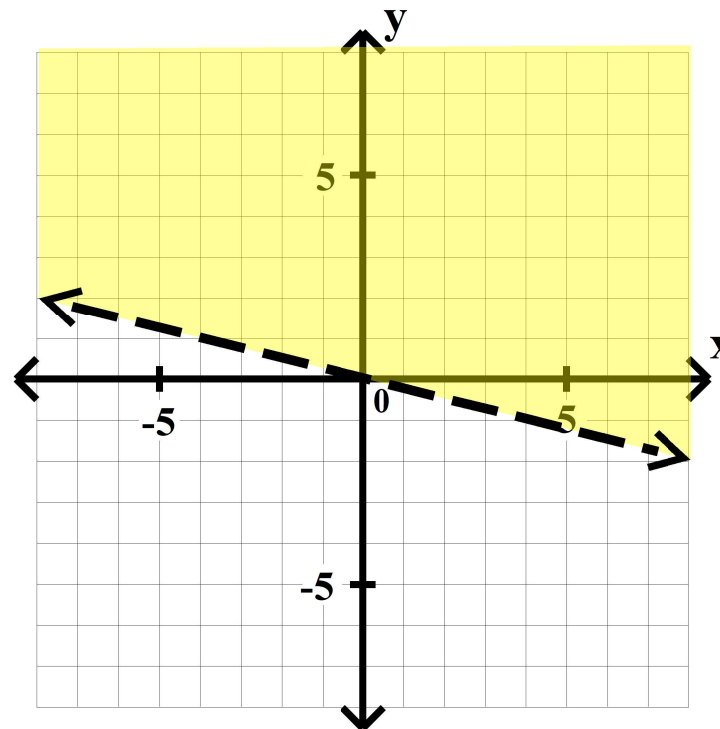
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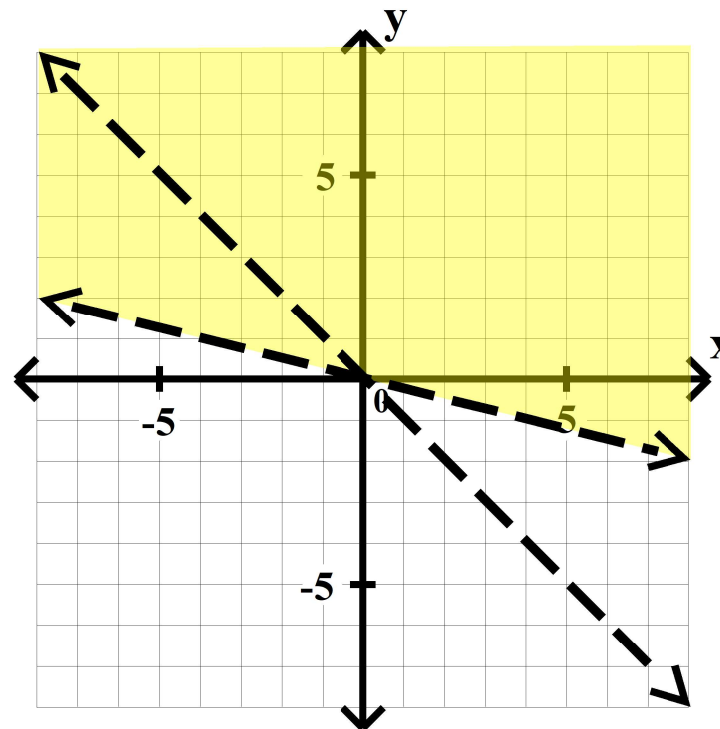
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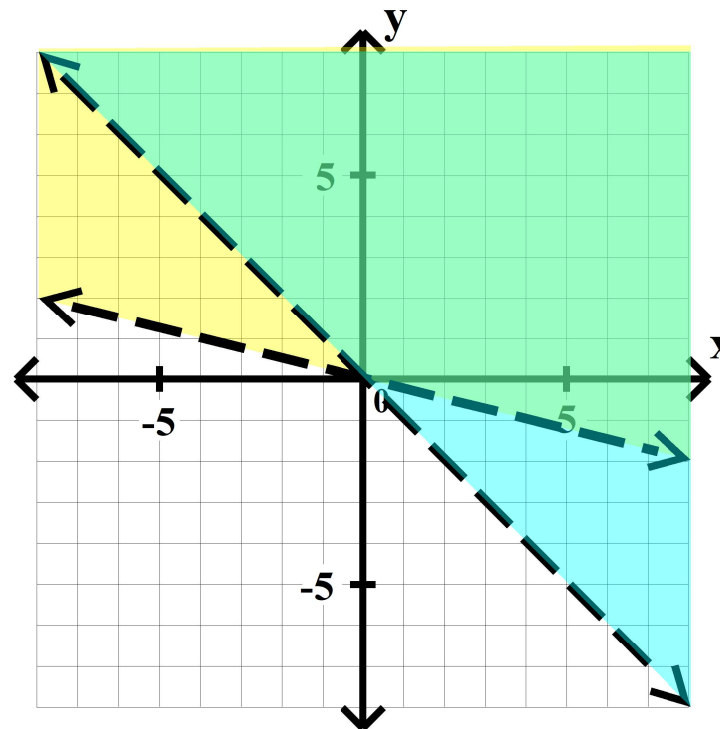
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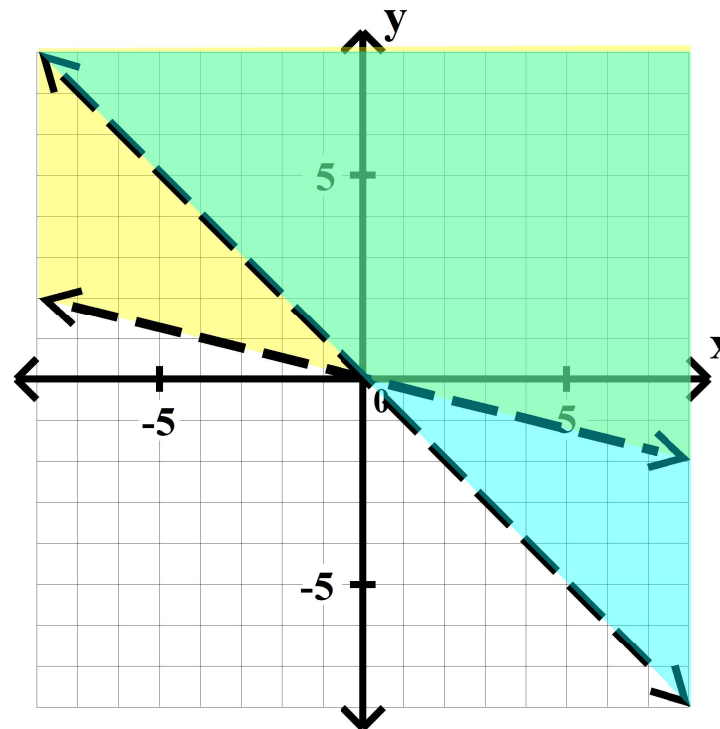
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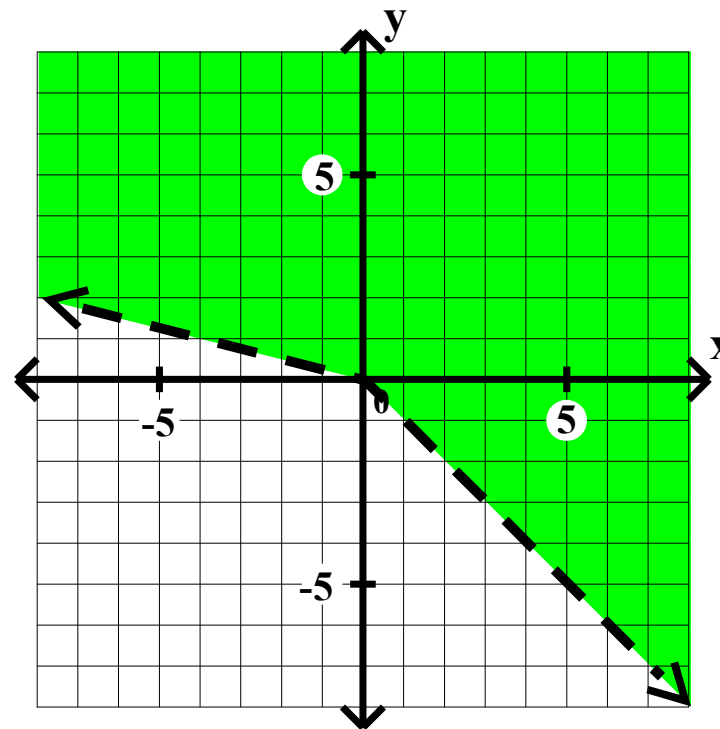
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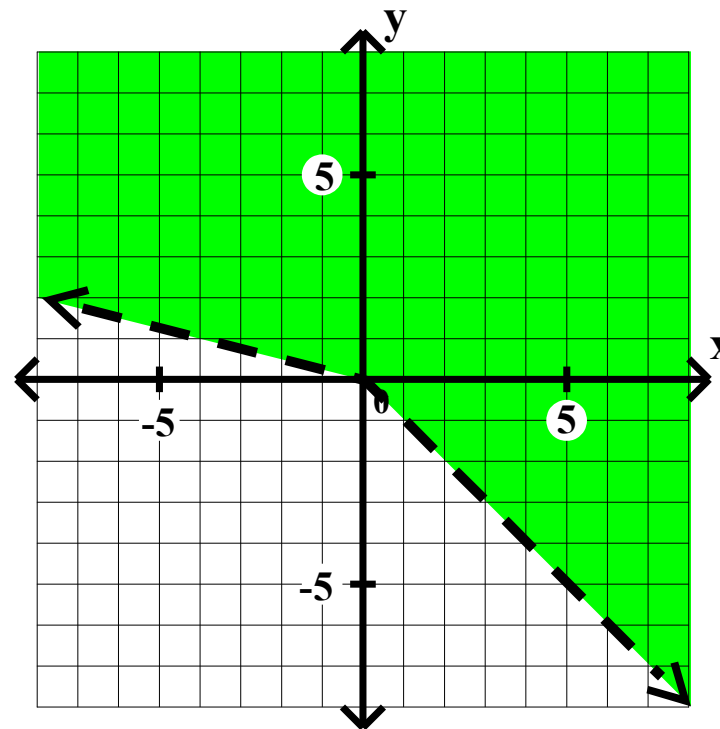
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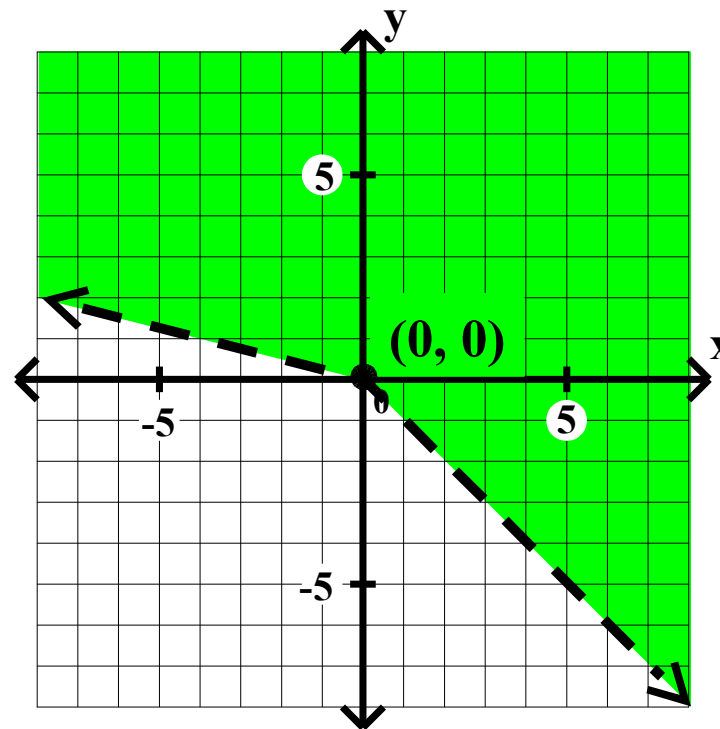
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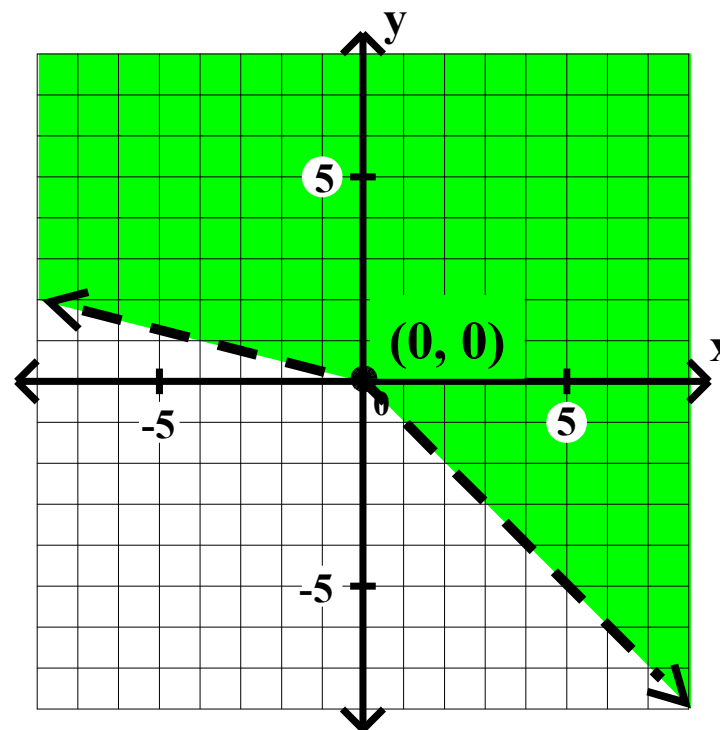
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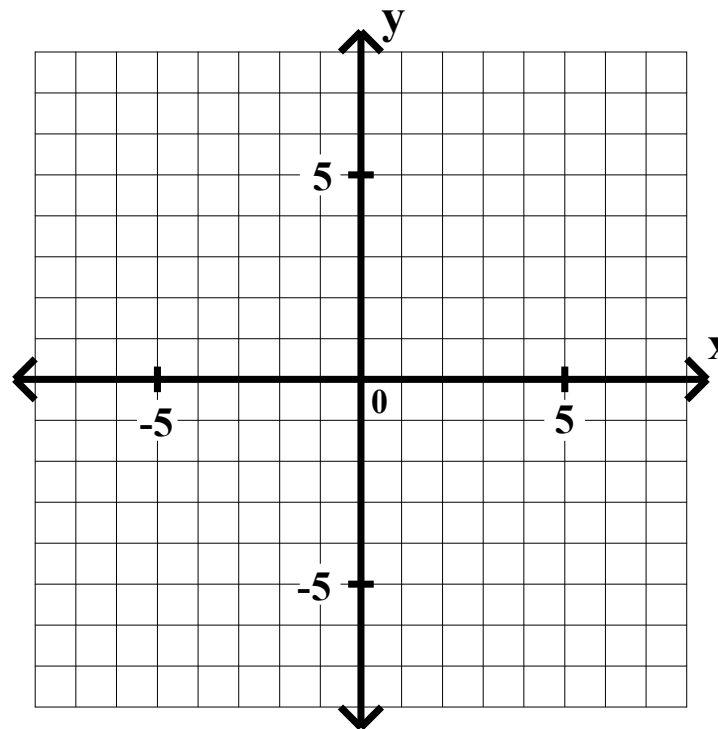
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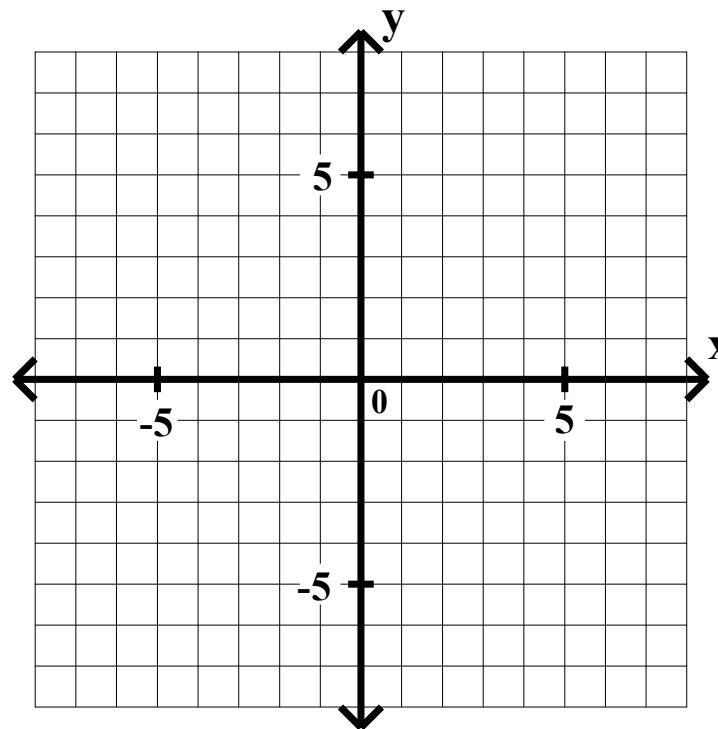


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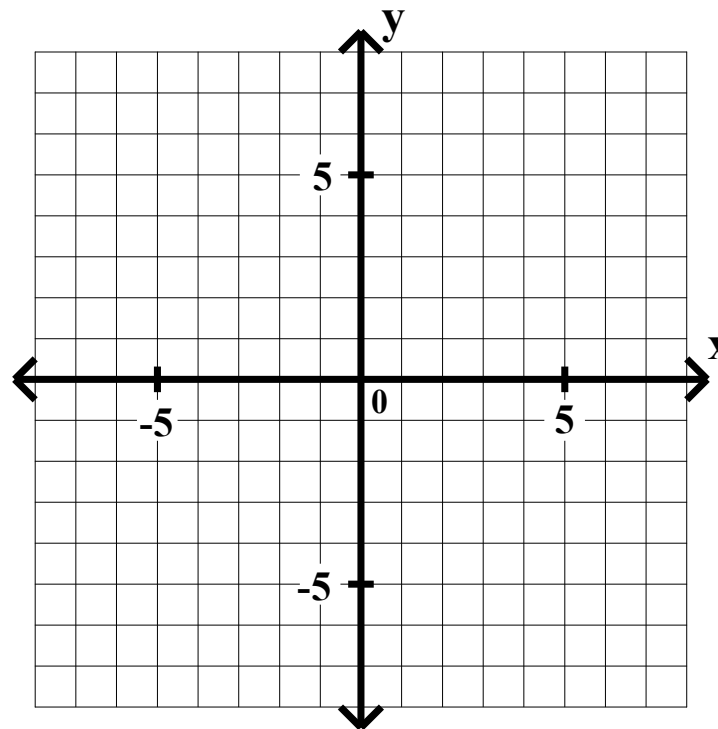
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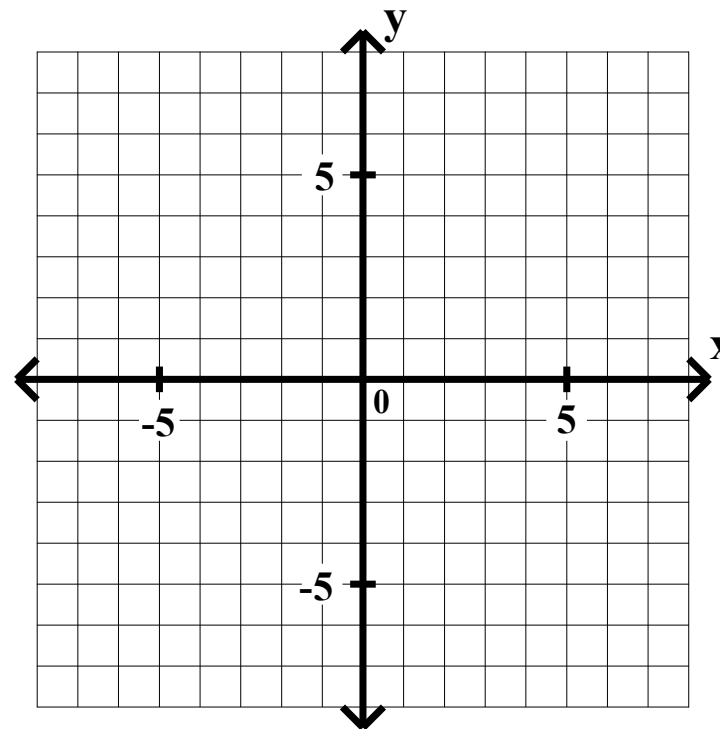
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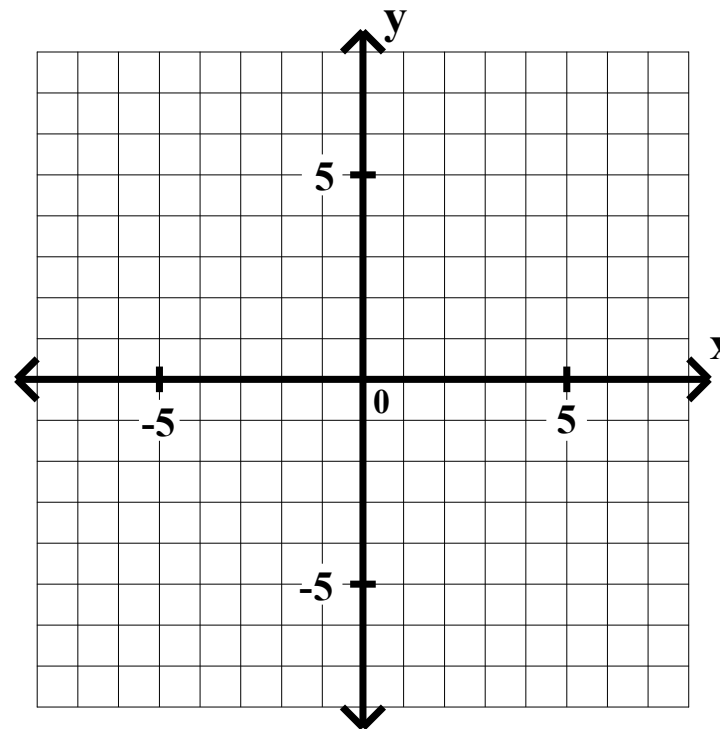
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Algebra II CWS #2 Unit 4

Compound Inequalities with Two Variables

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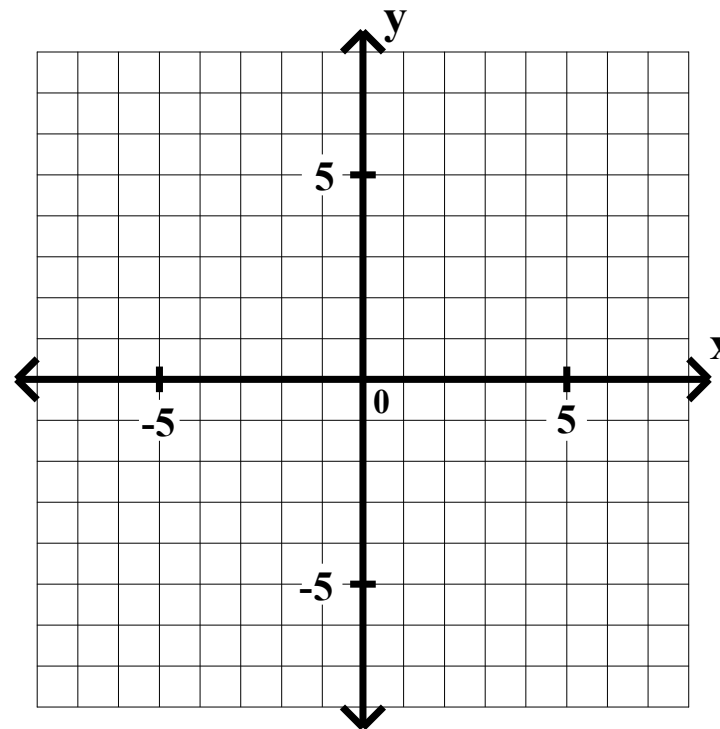
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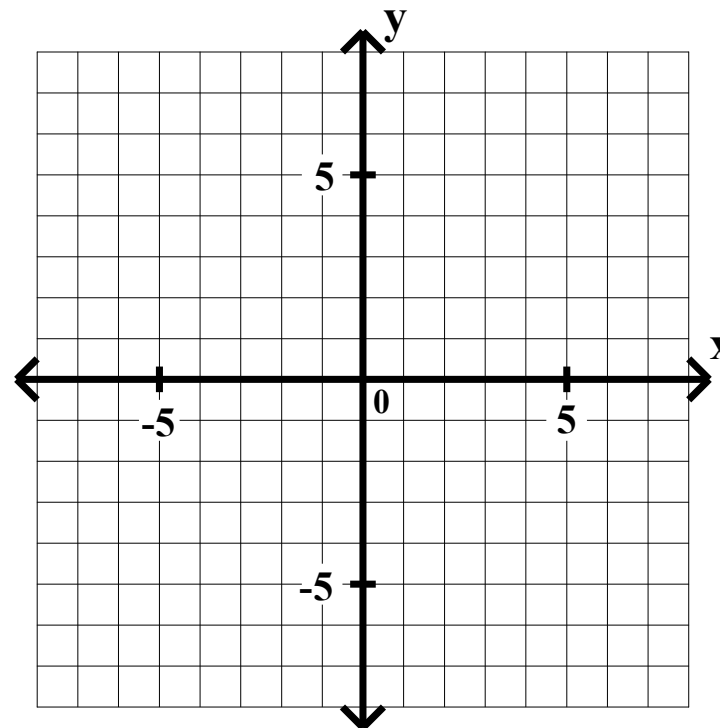
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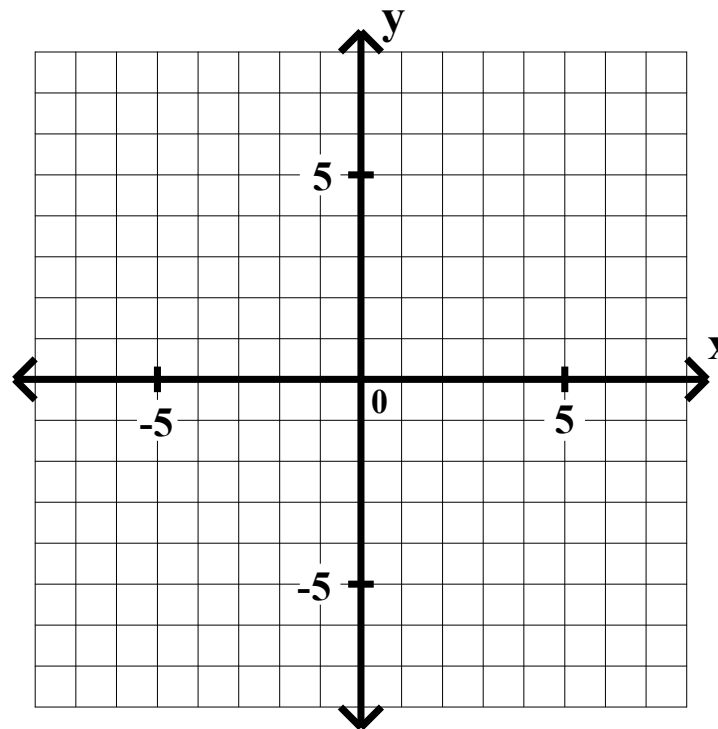
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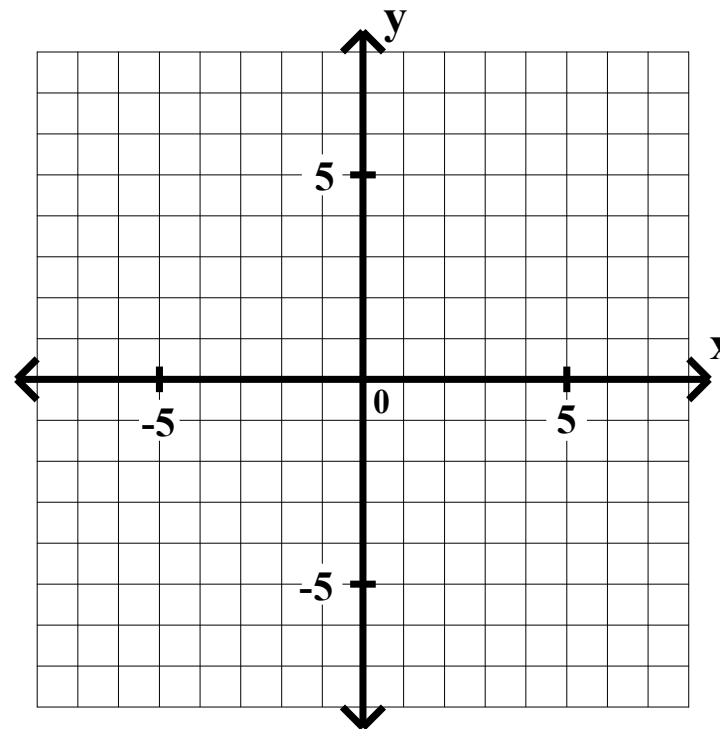
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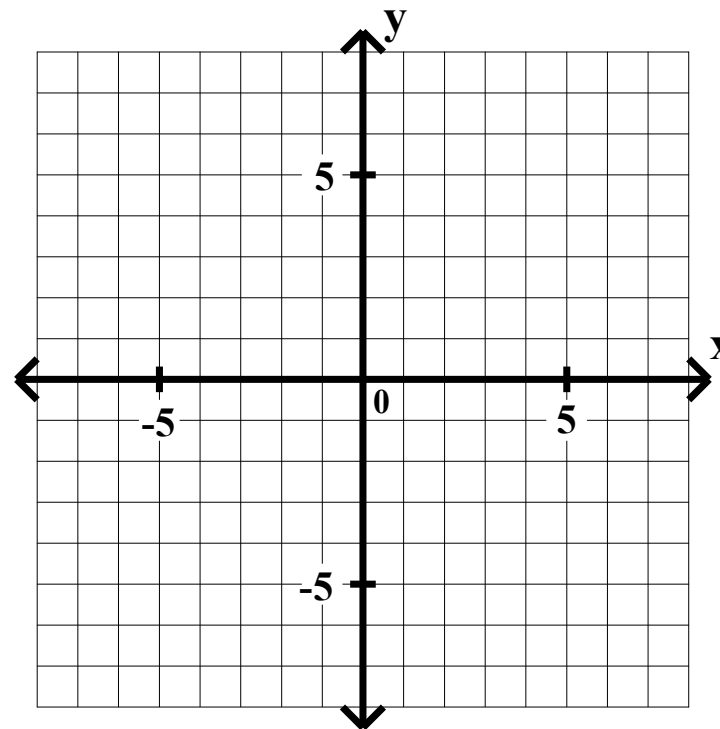
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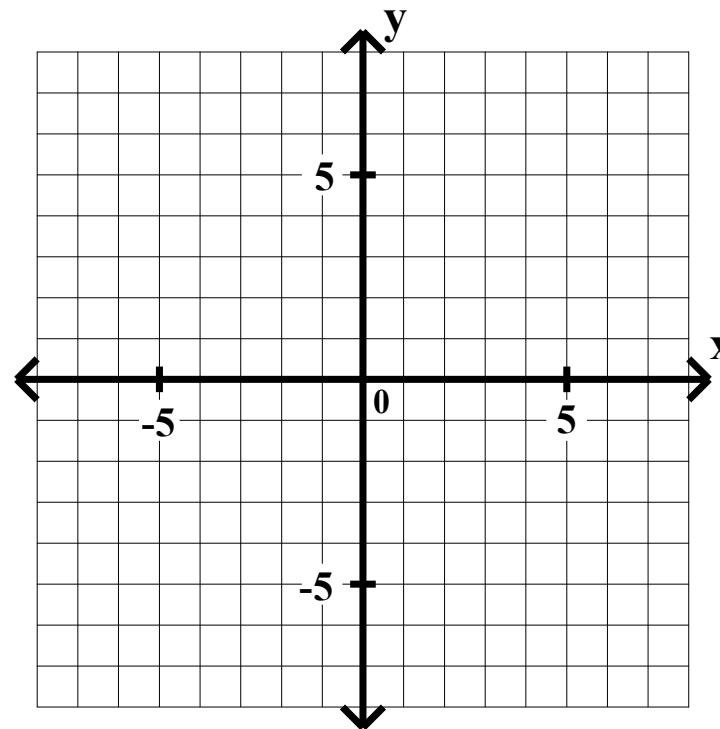
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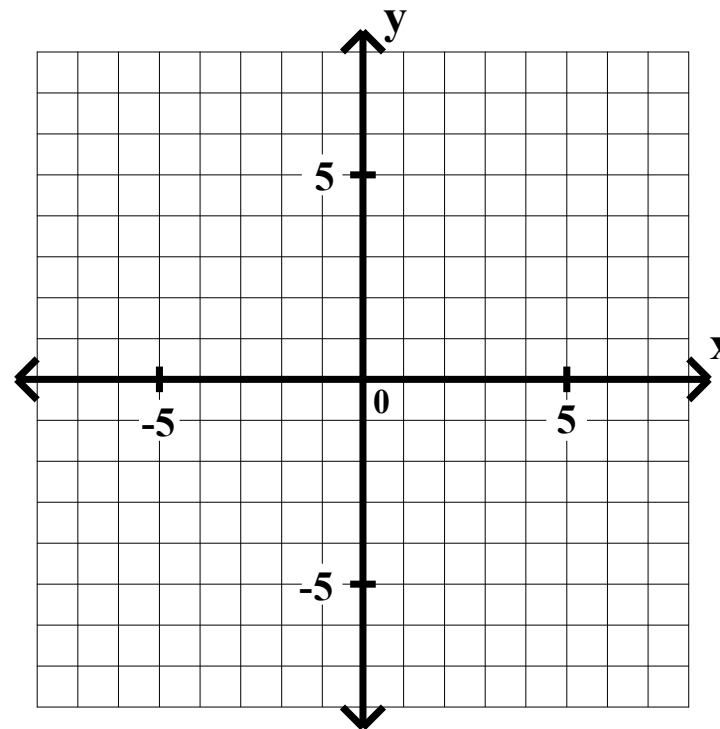
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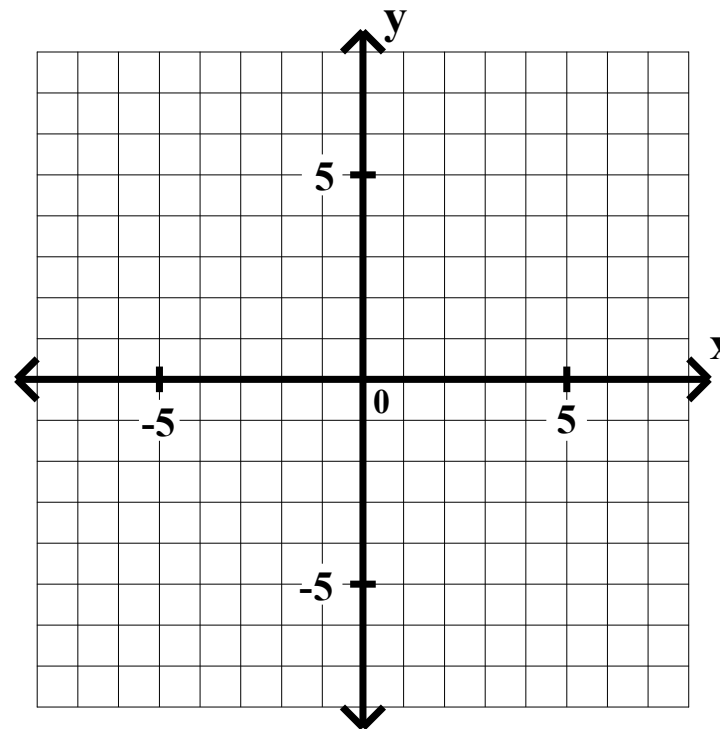
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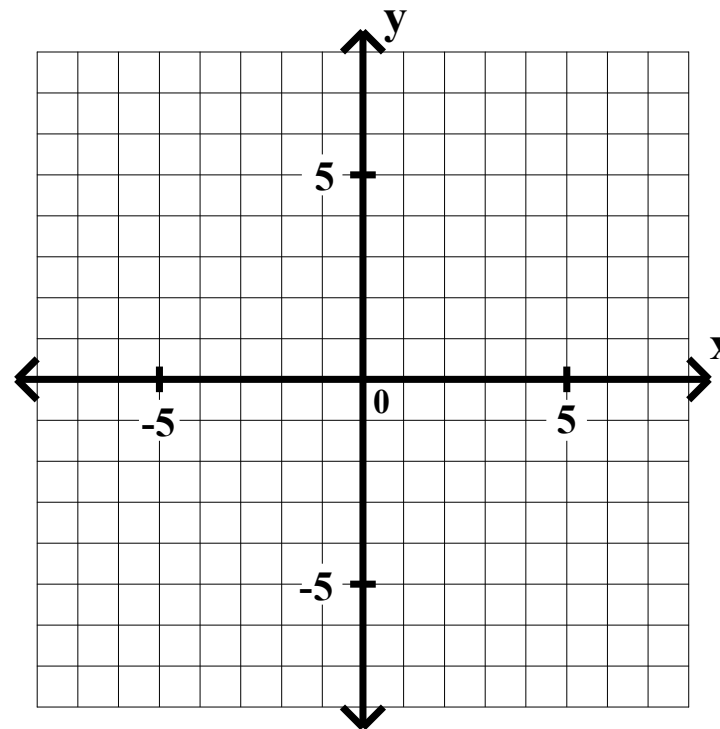
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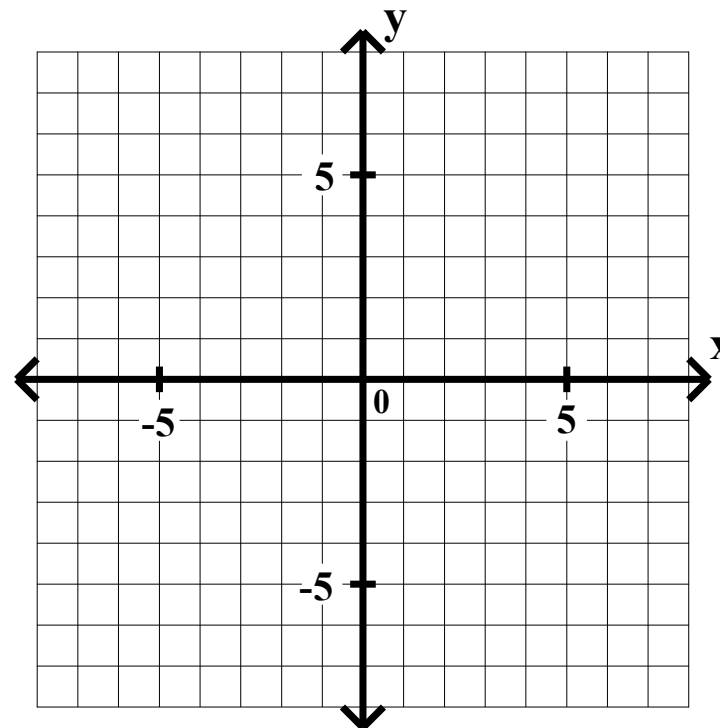
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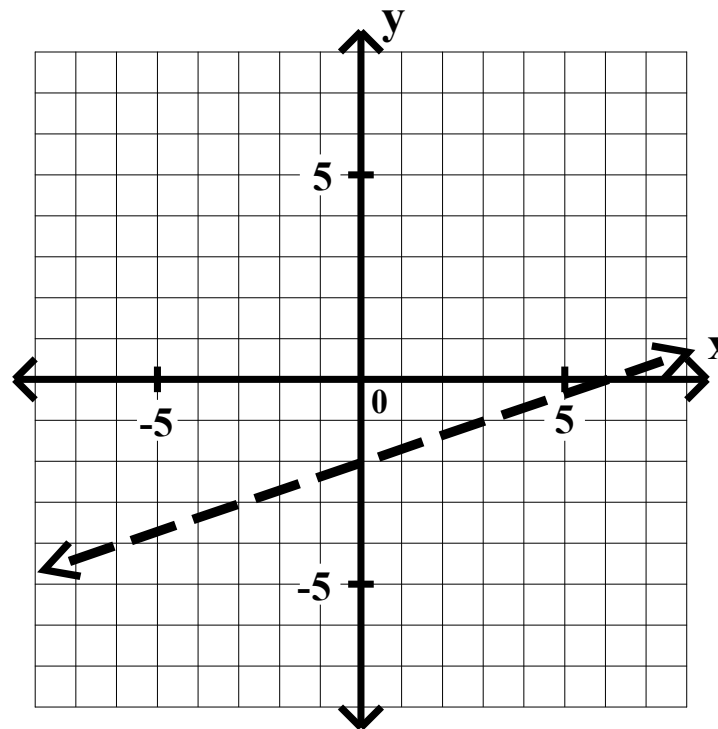
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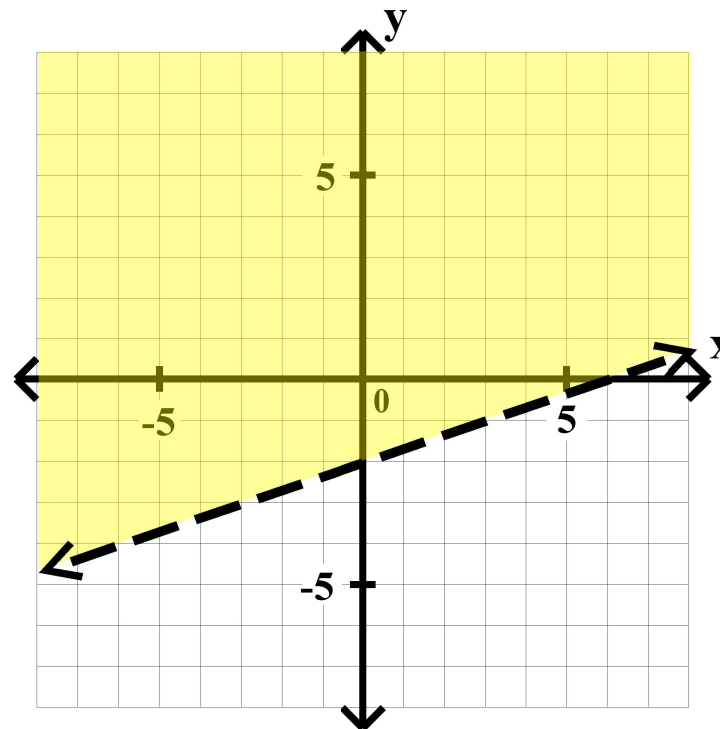
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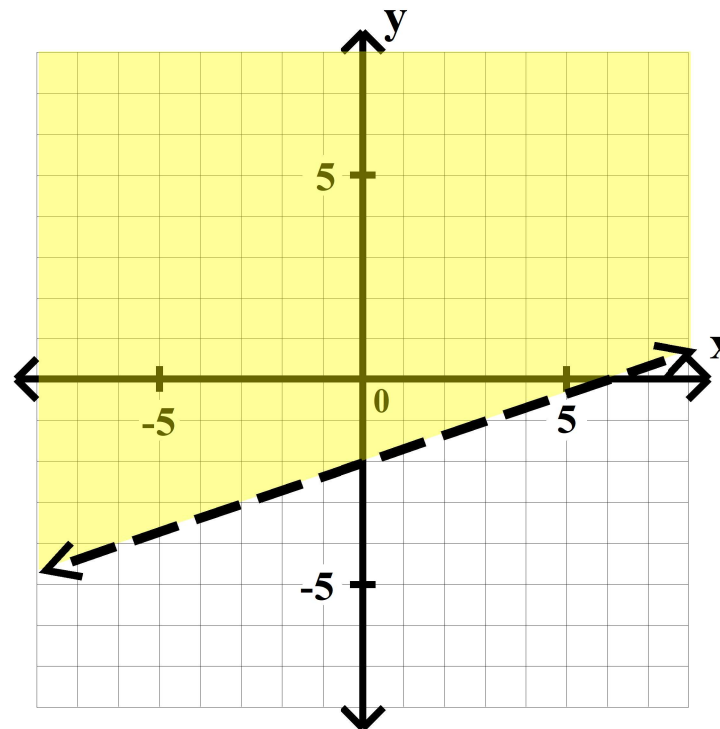
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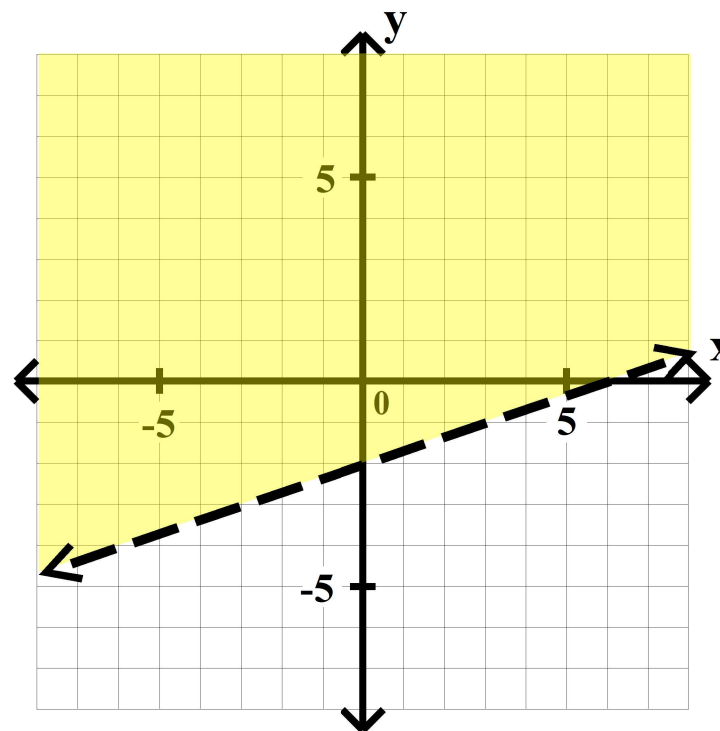
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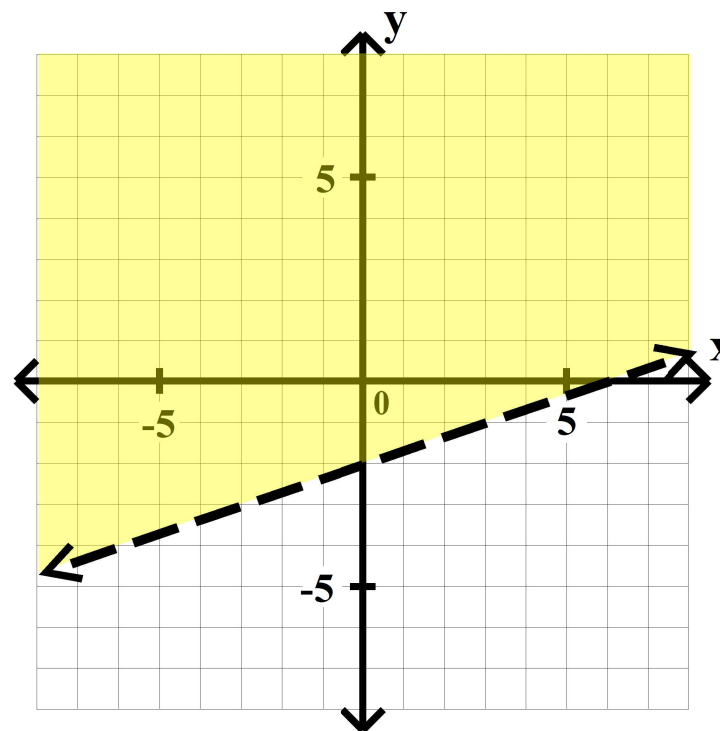
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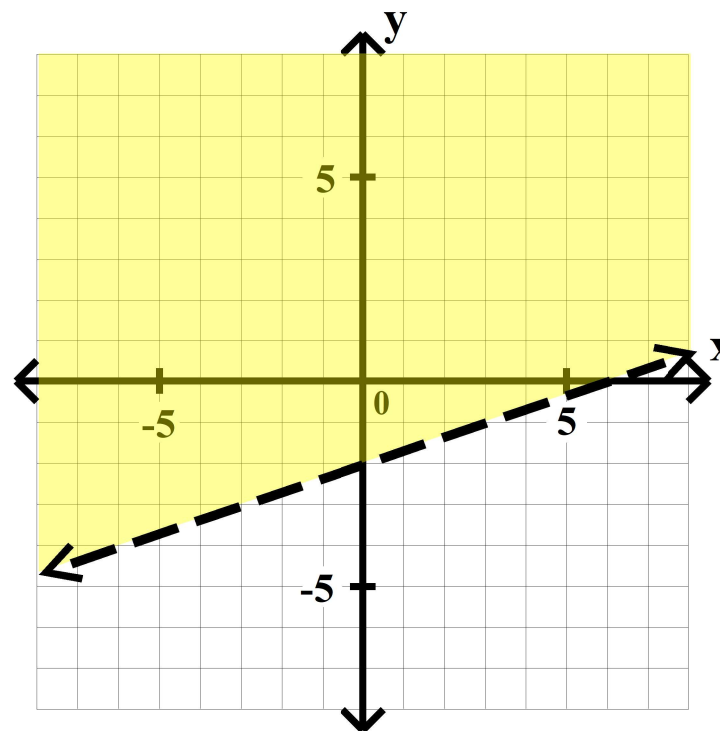
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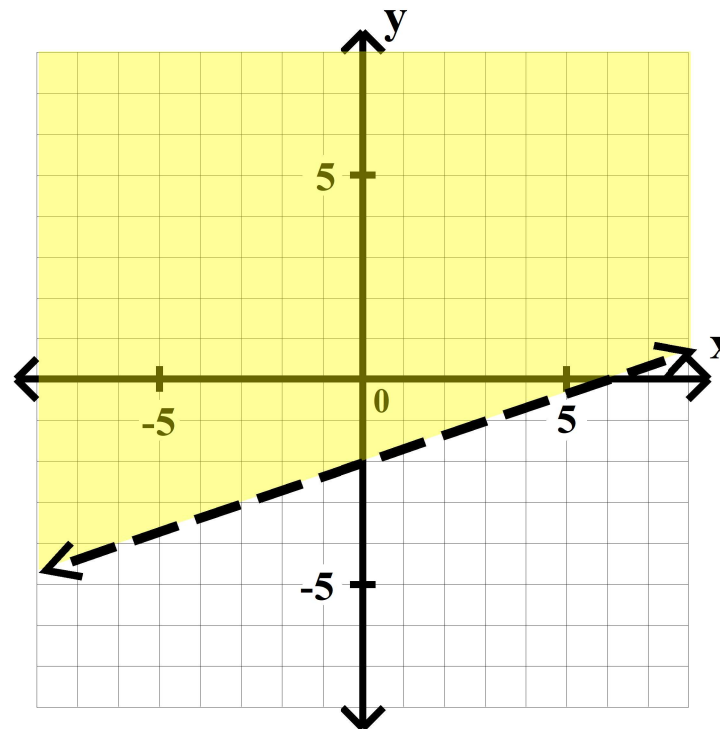
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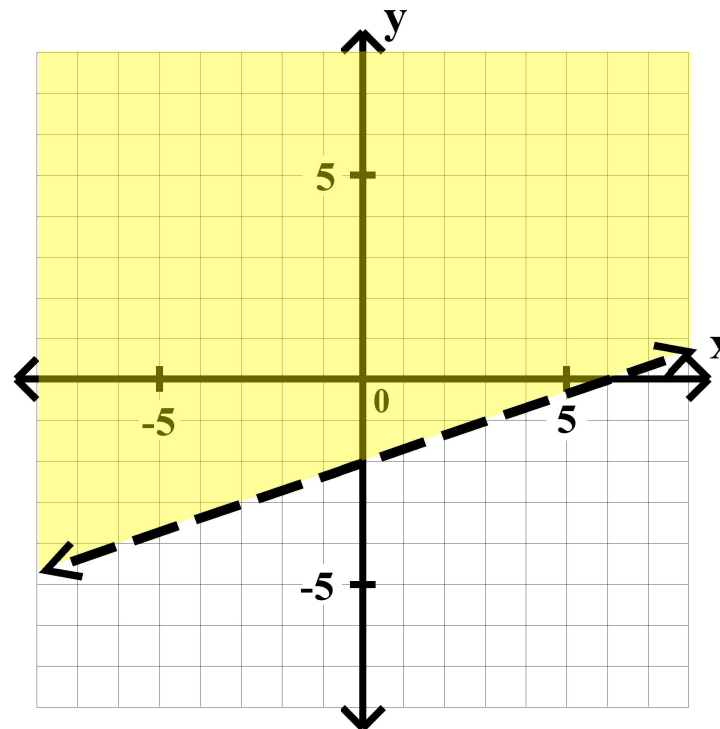
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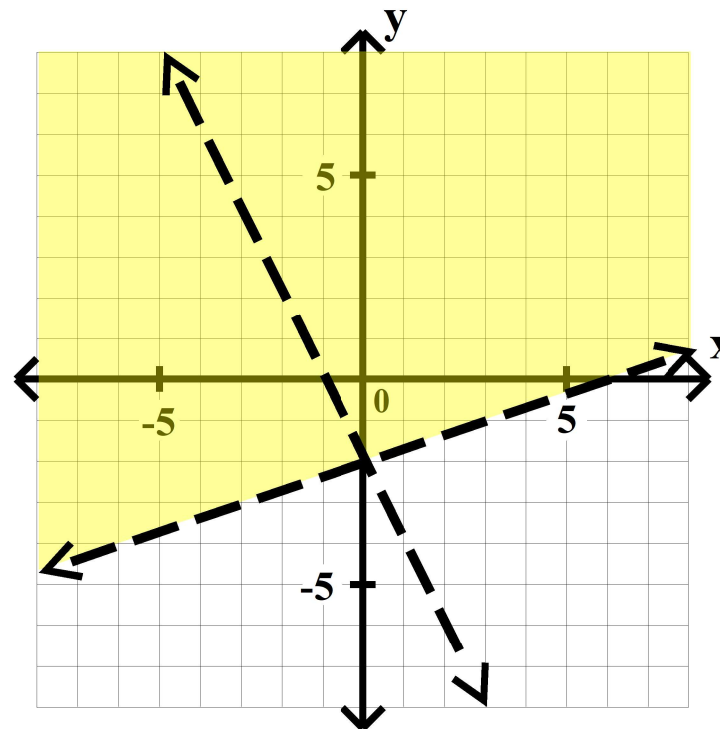
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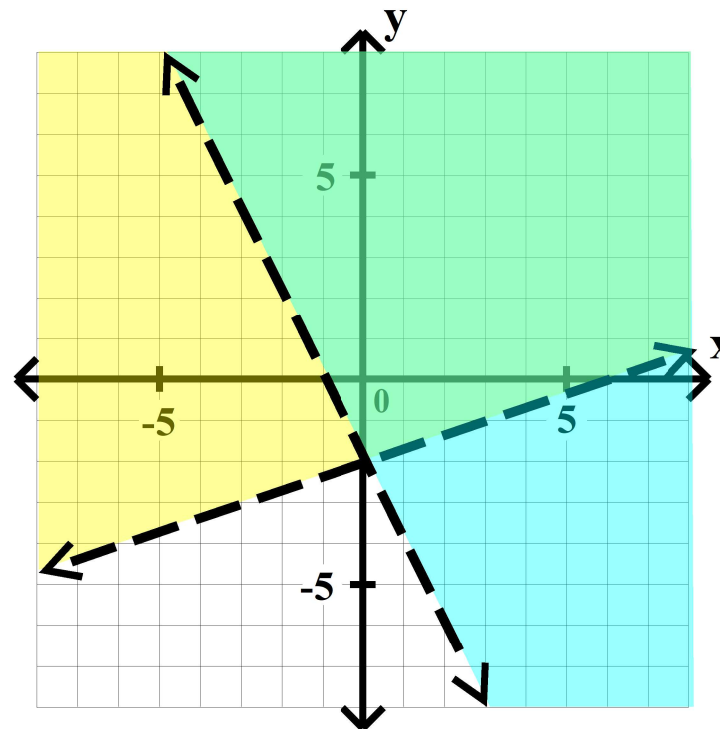
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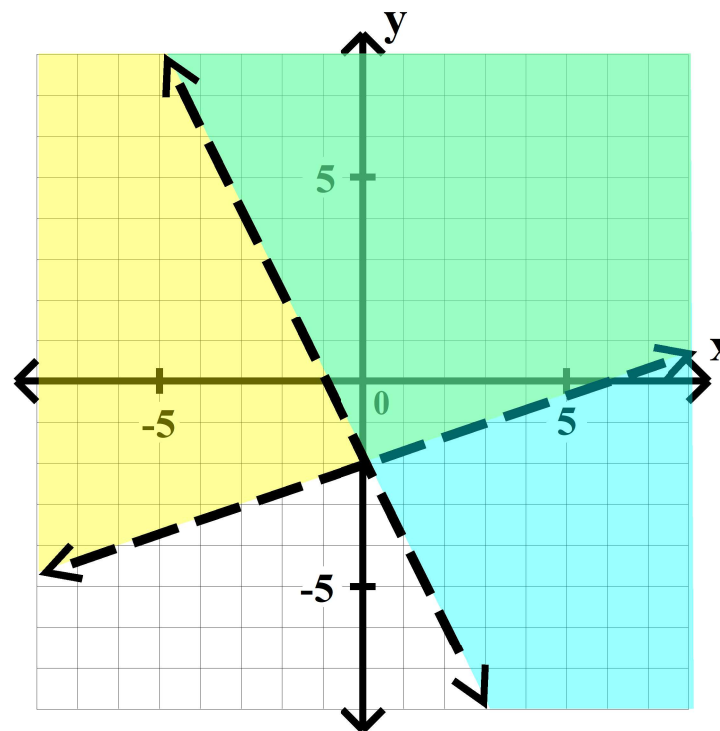
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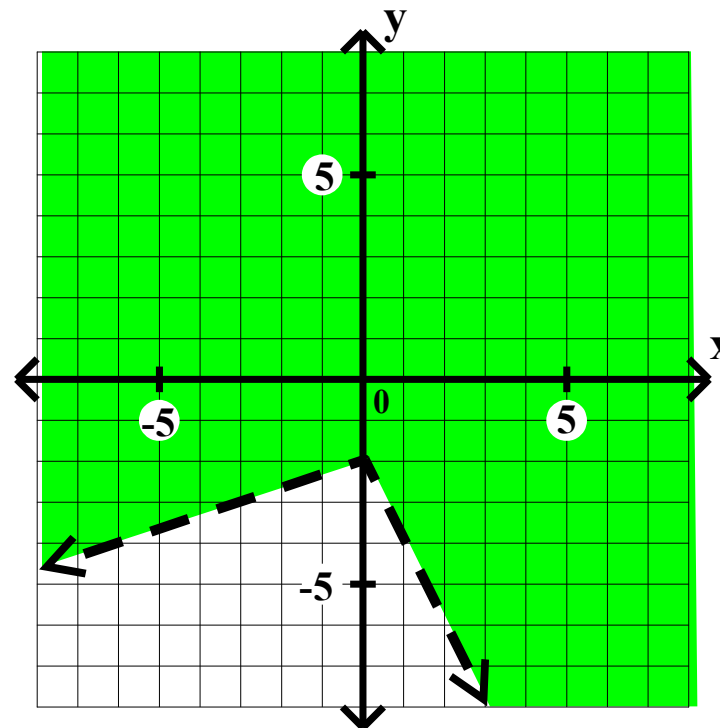
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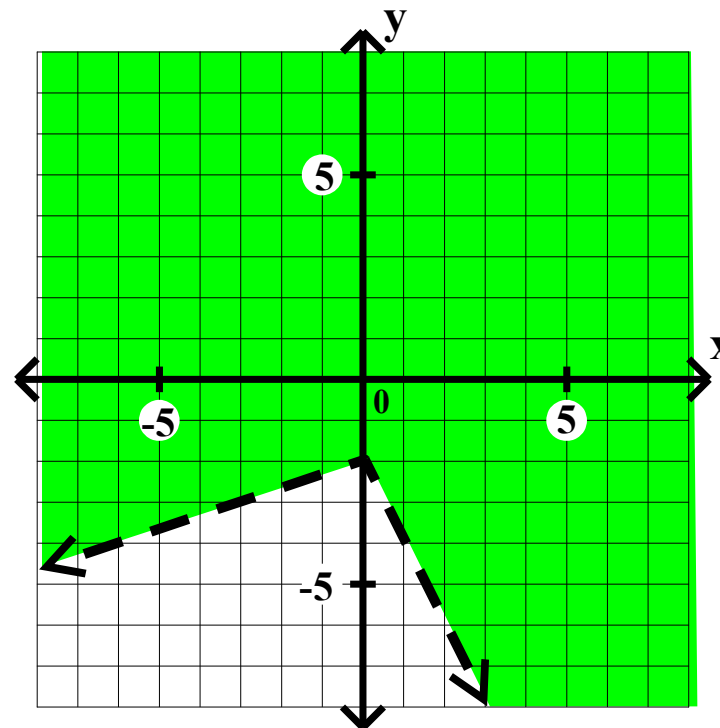
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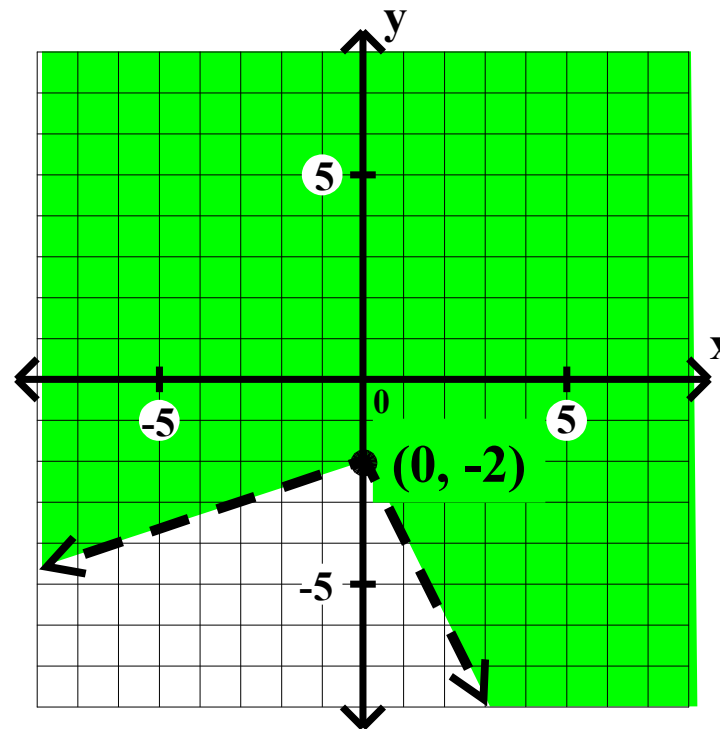
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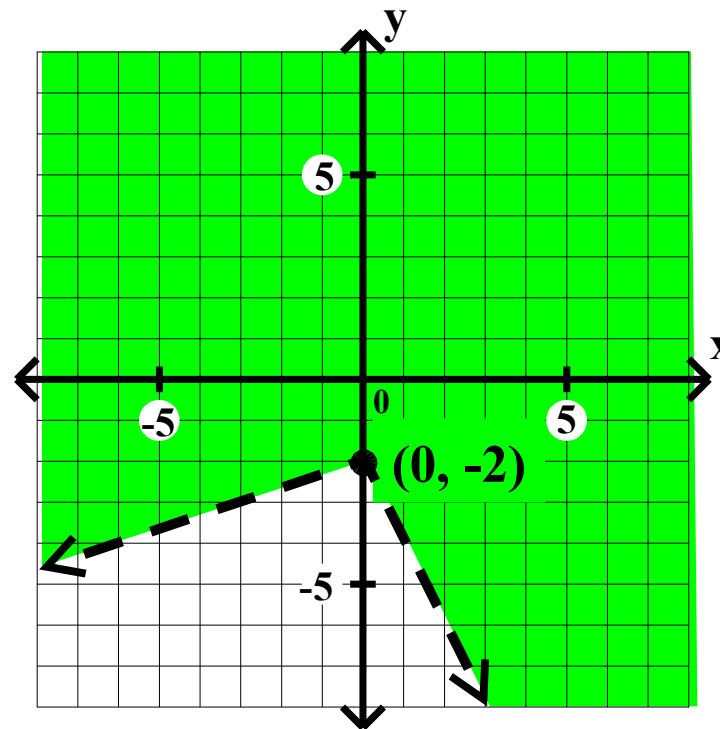
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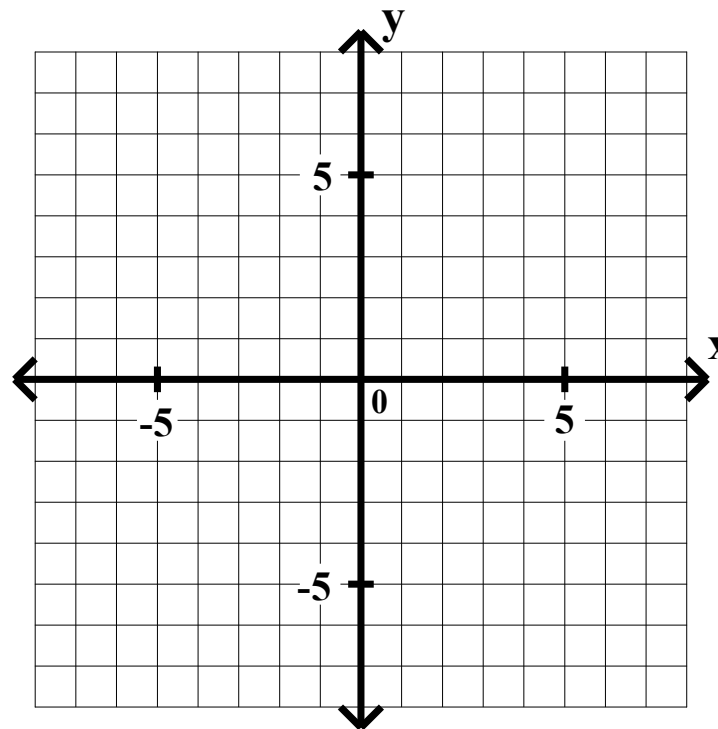
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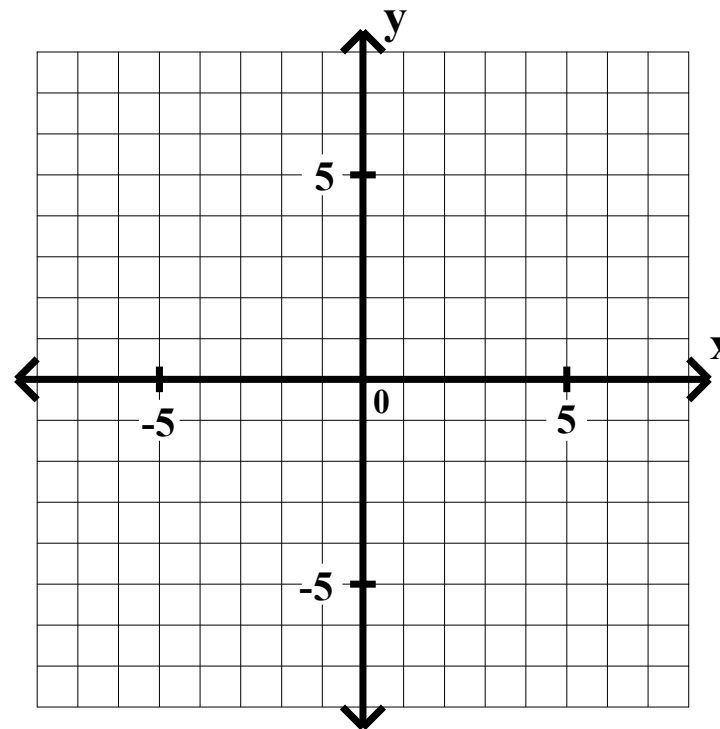


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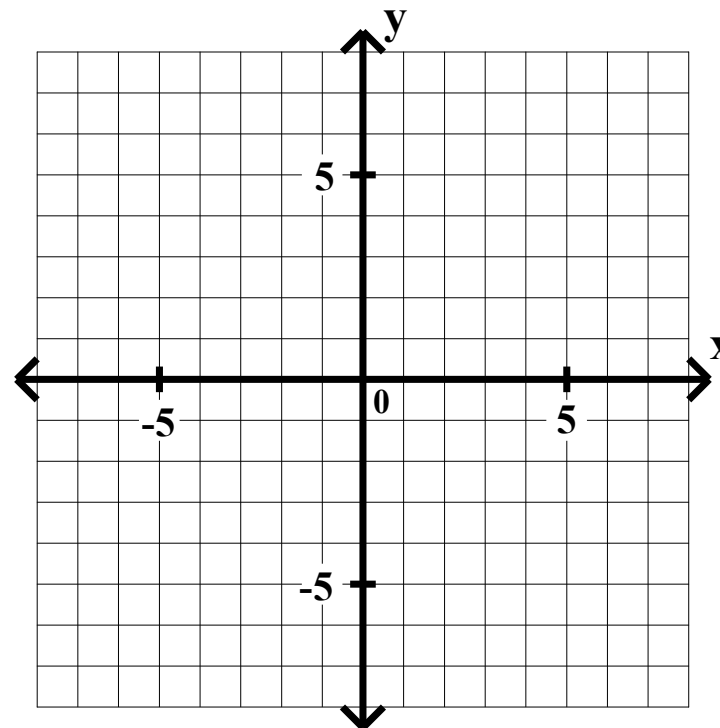
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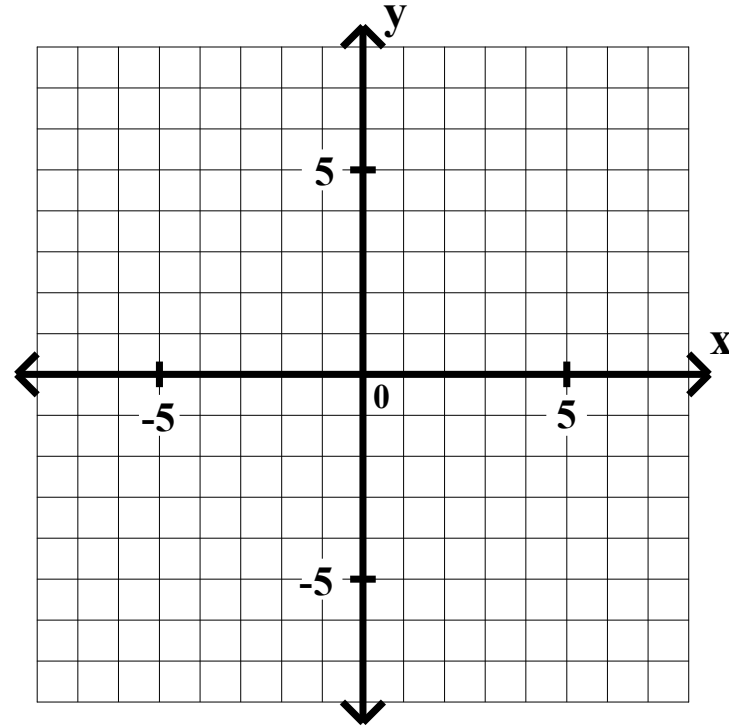
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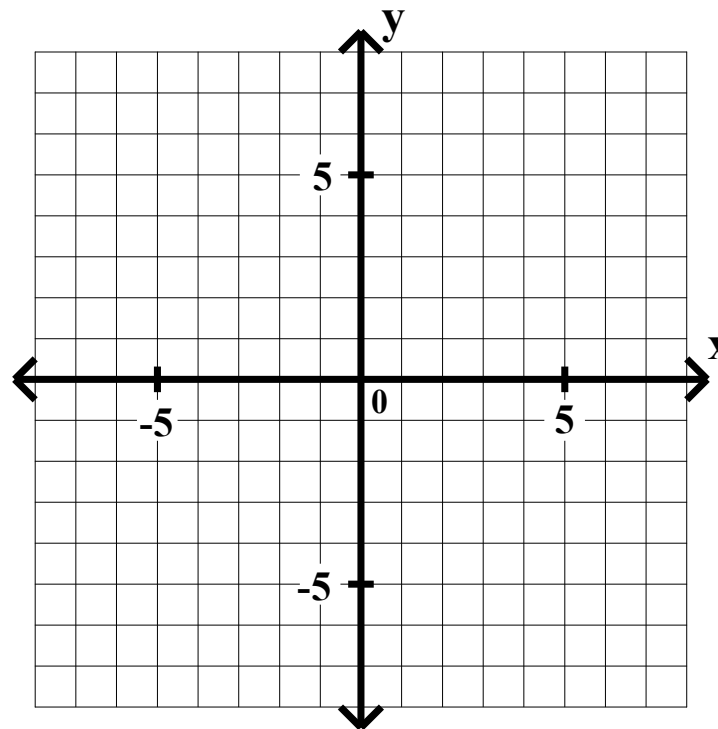
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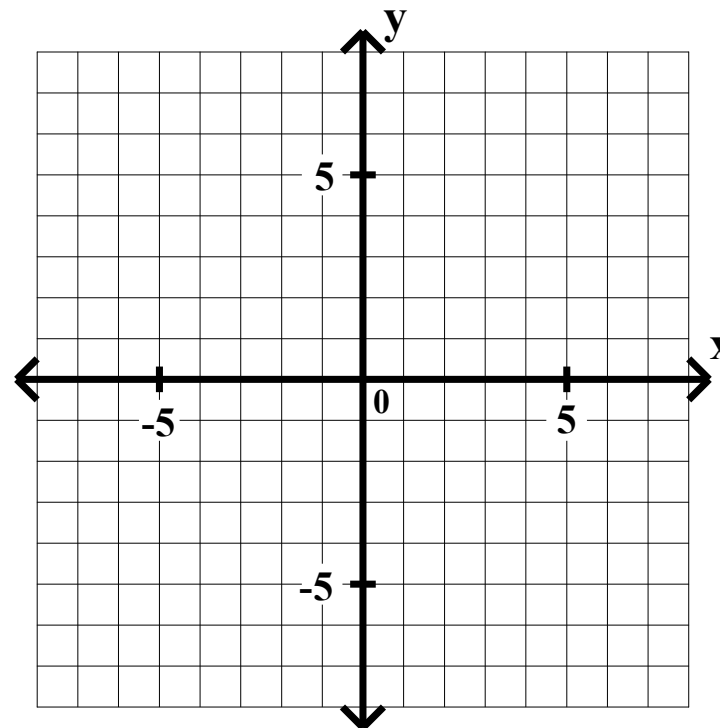
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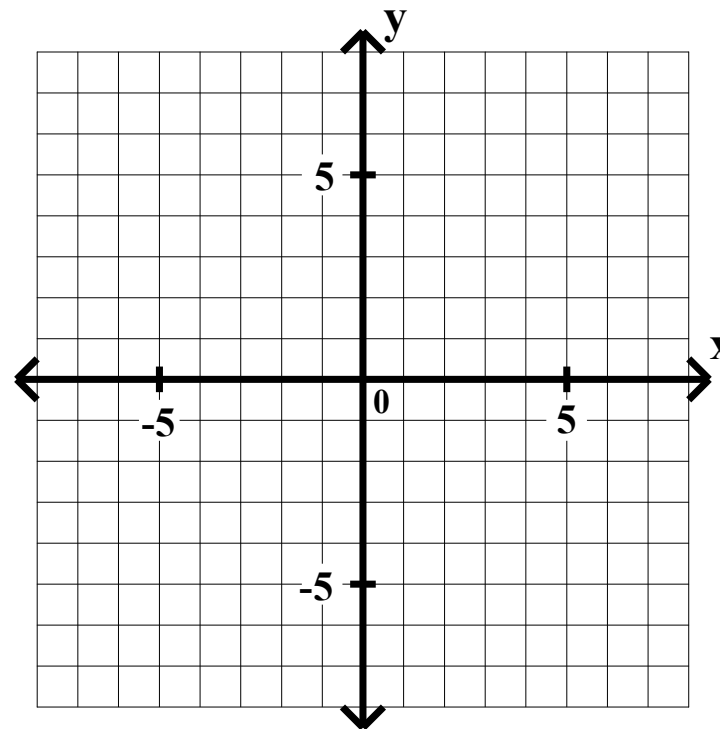
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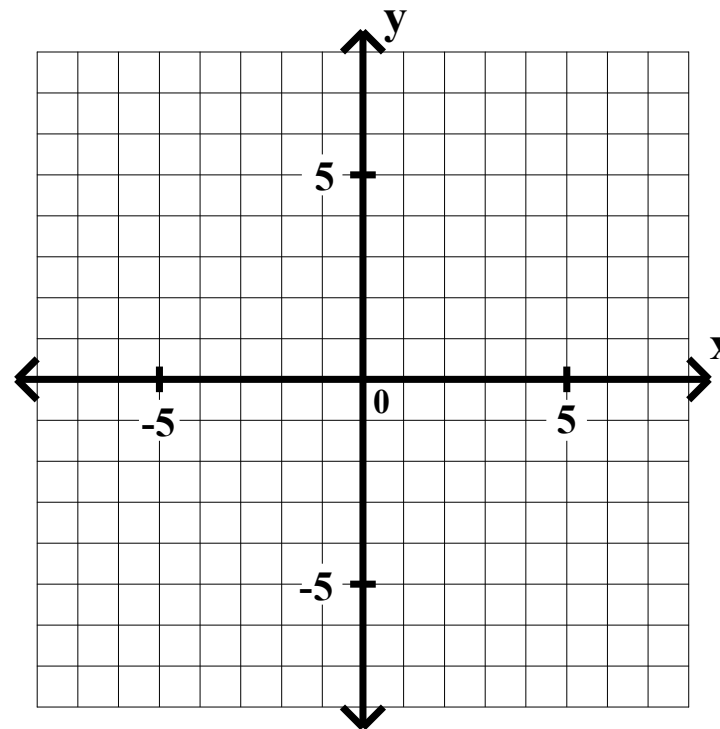
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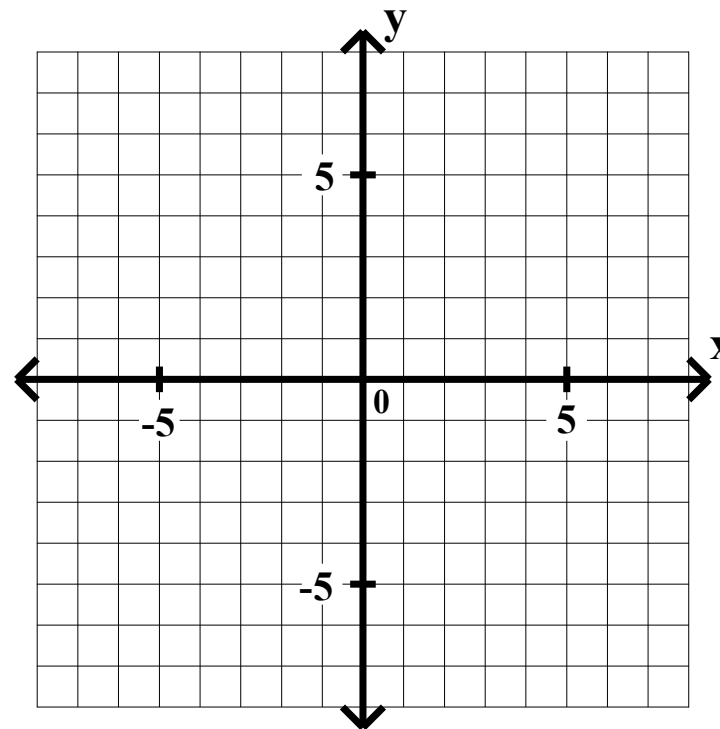
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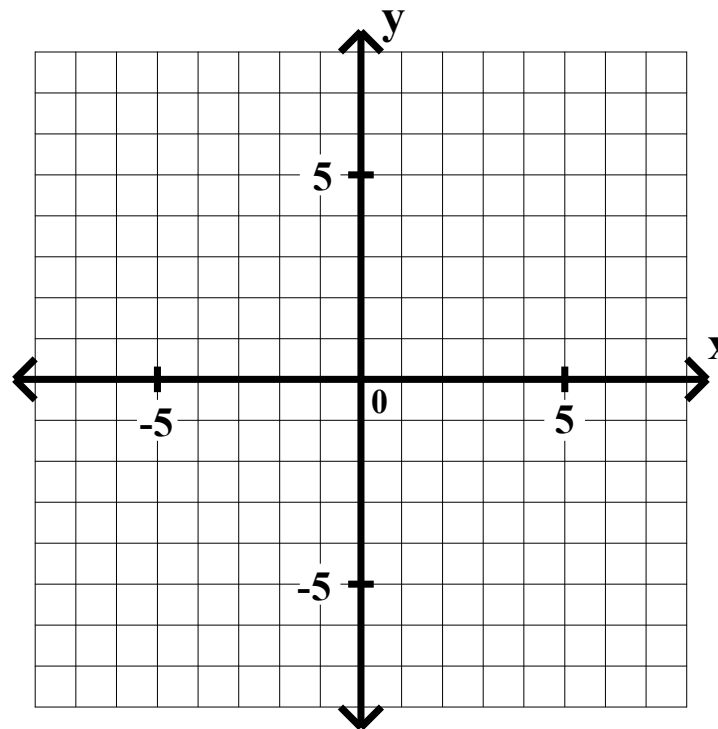
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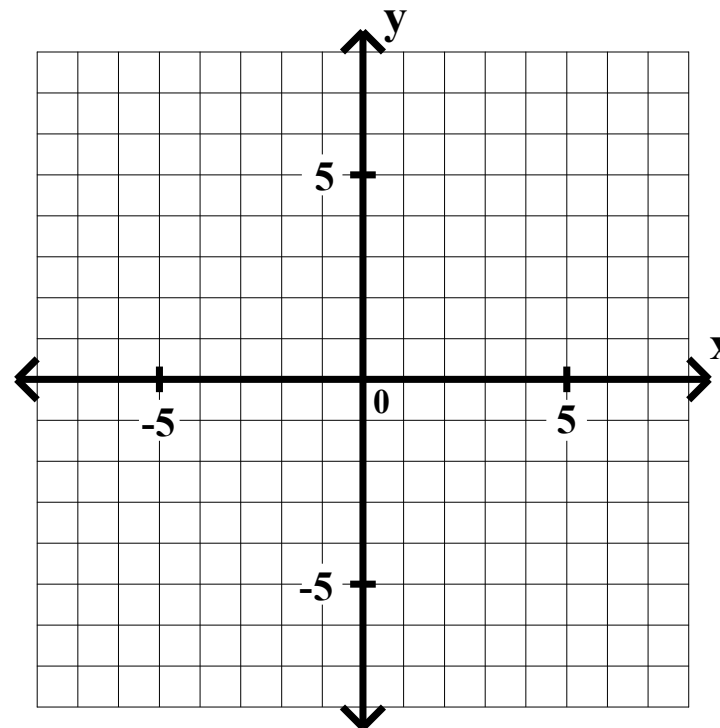
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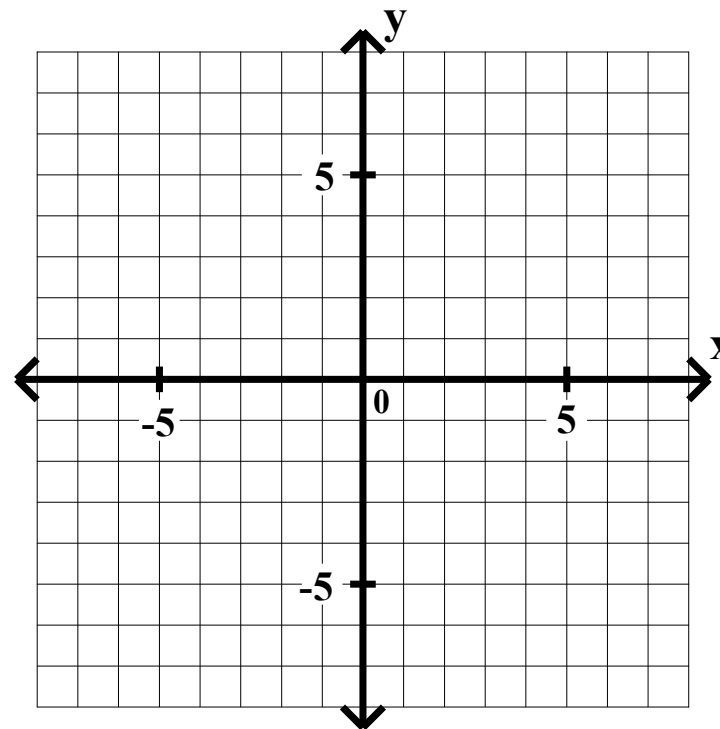
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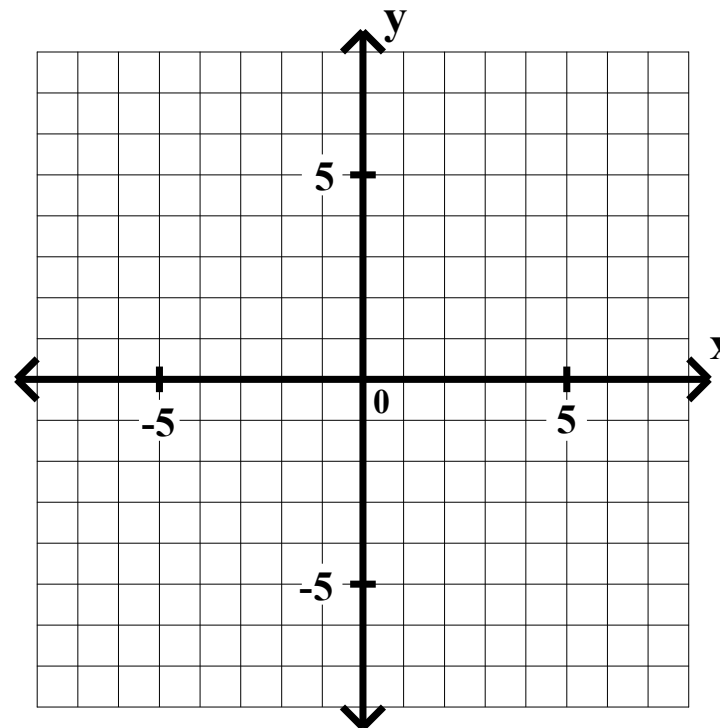
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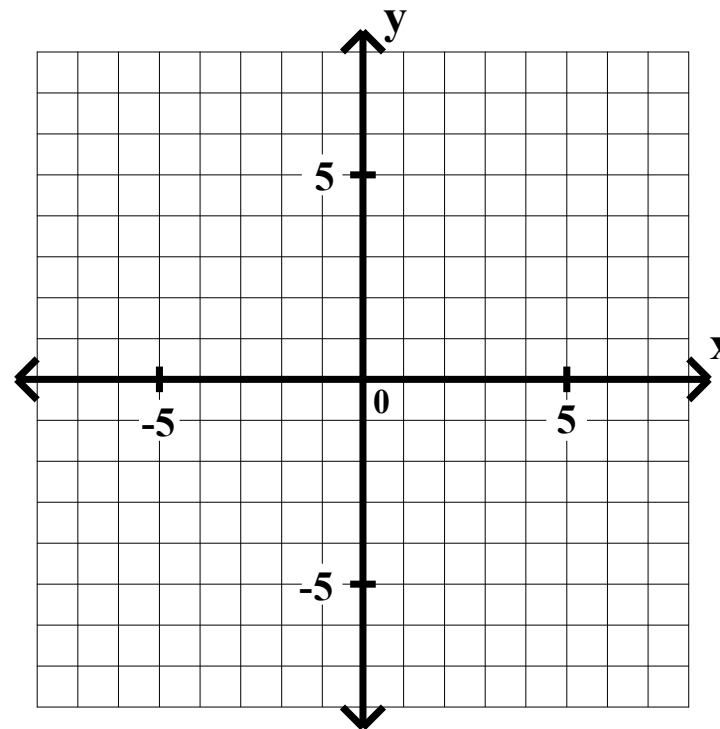
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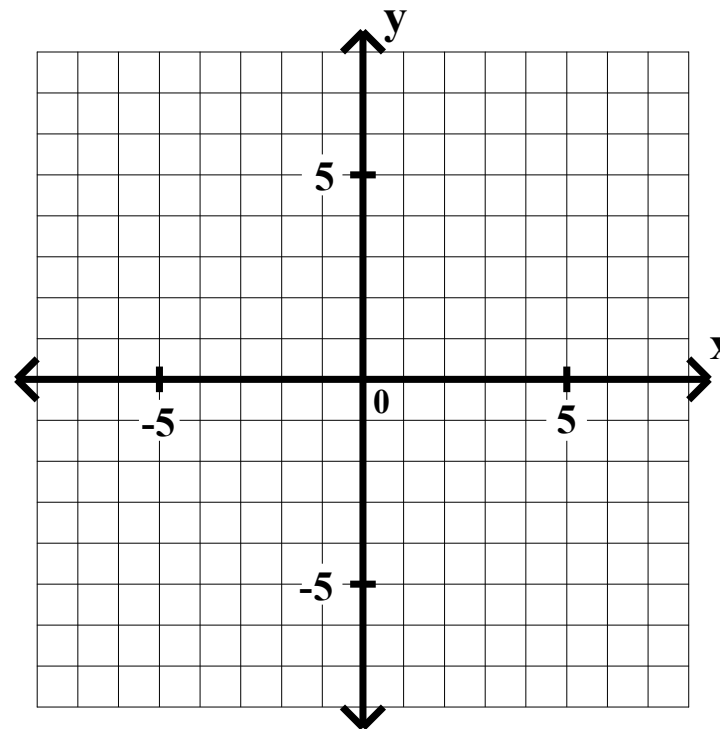
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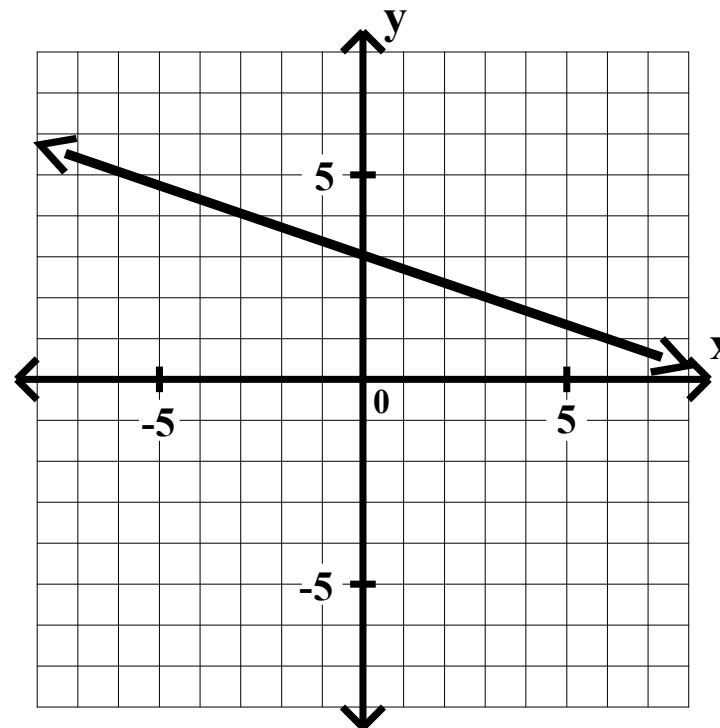
Compound Inequalities with Two Variables

Graph the solution set of each of the following compound inequalities.
Find the coordinates of any vertex.

8. $x + 3y \leq 9$ or $y - 4 \geq 0$

$$3y \leq -x + 9$$

$$y \leq (-1/3)x + 3$$



Type 2: Compound Inequalities with the Connective 'or'

Graph the union of the two solution sets.

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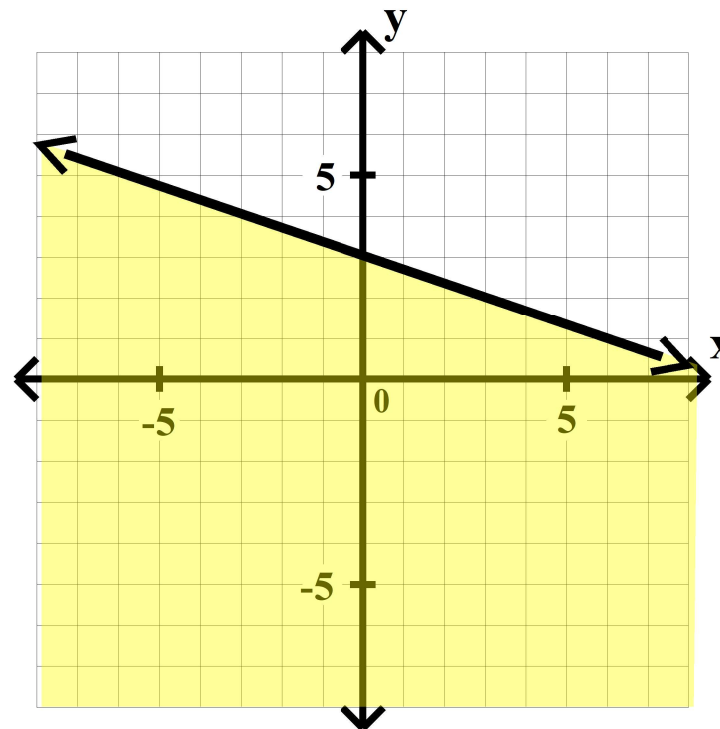
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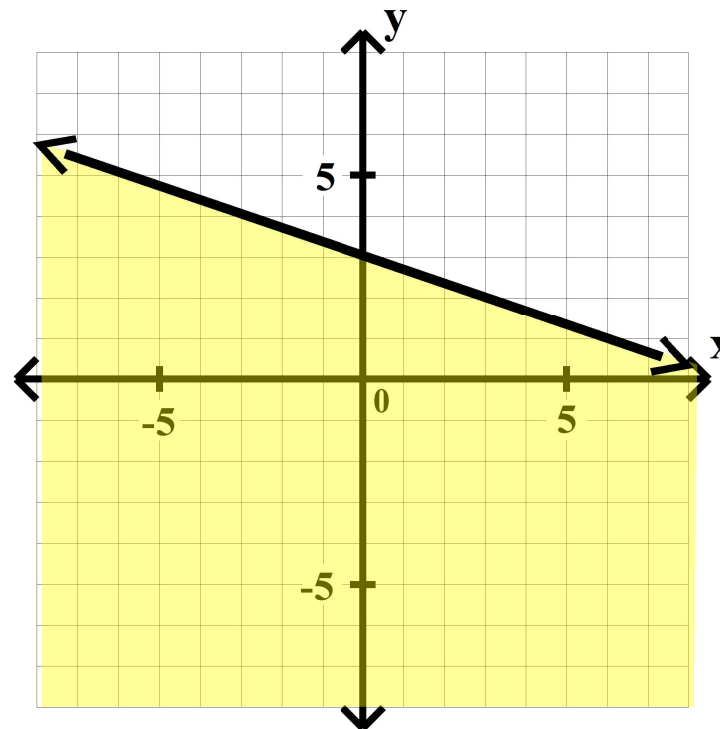
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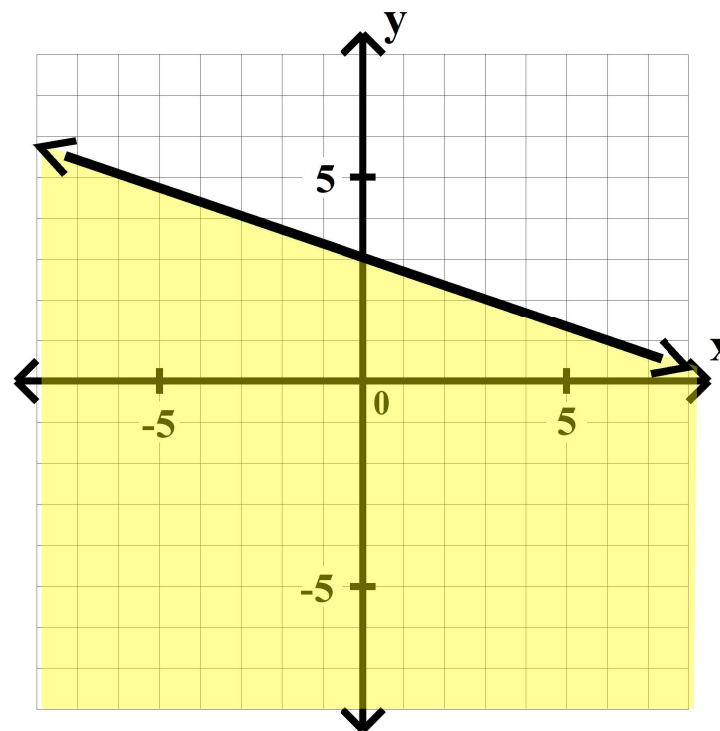
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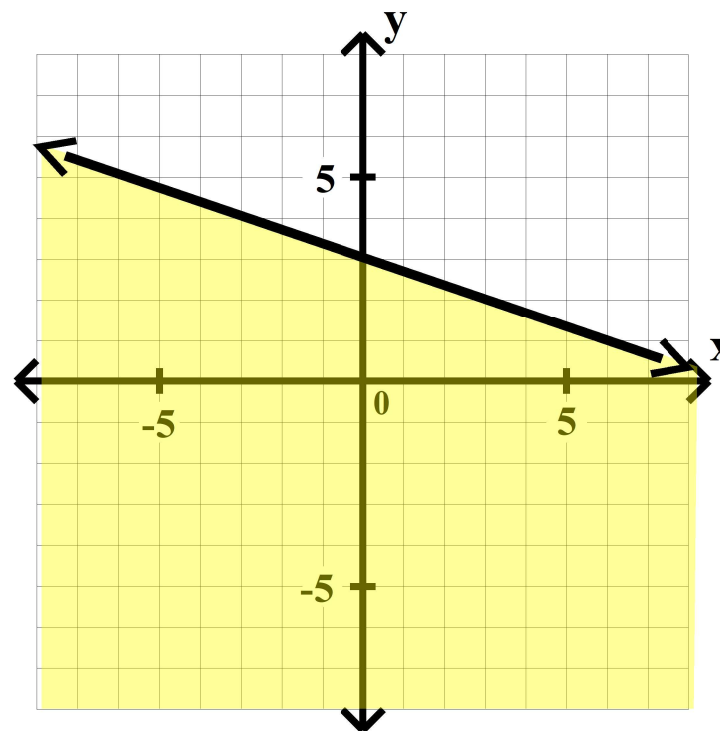
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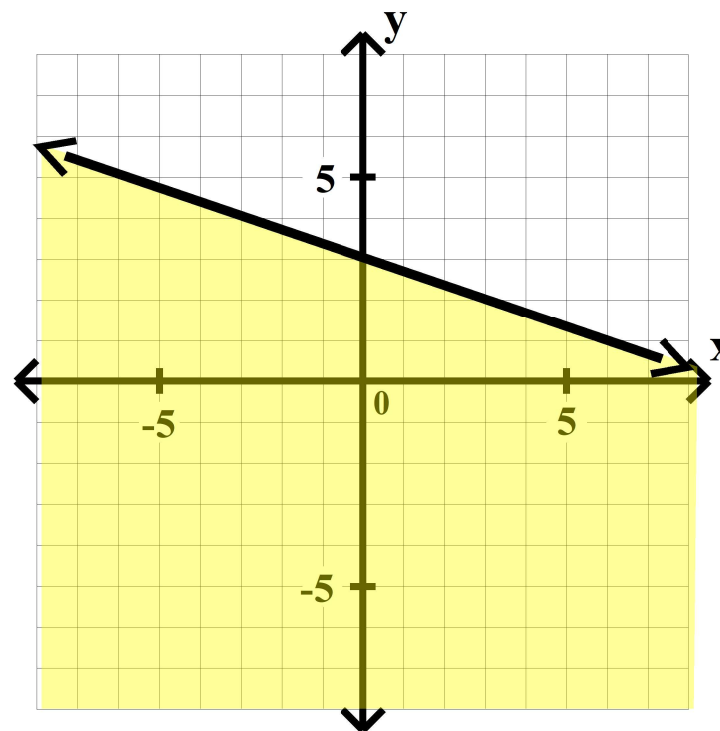
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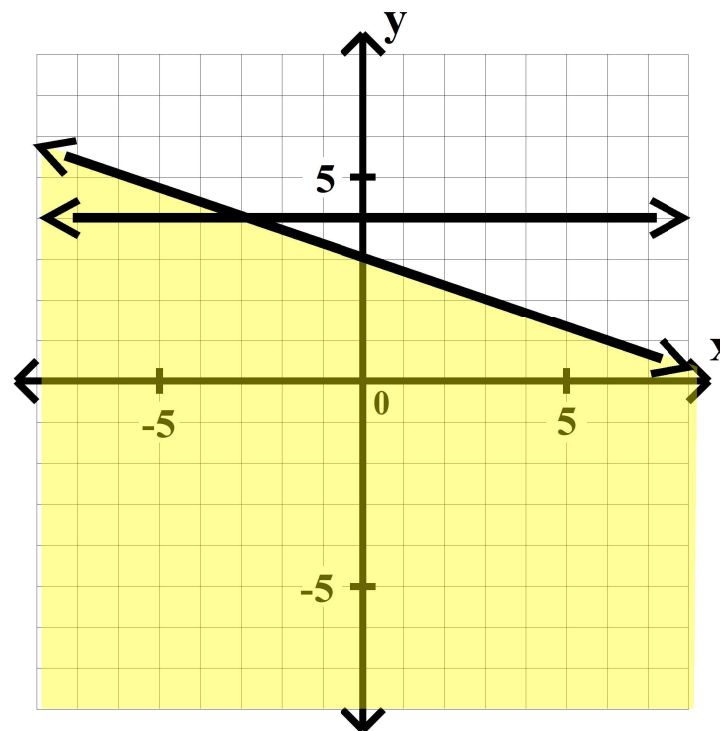
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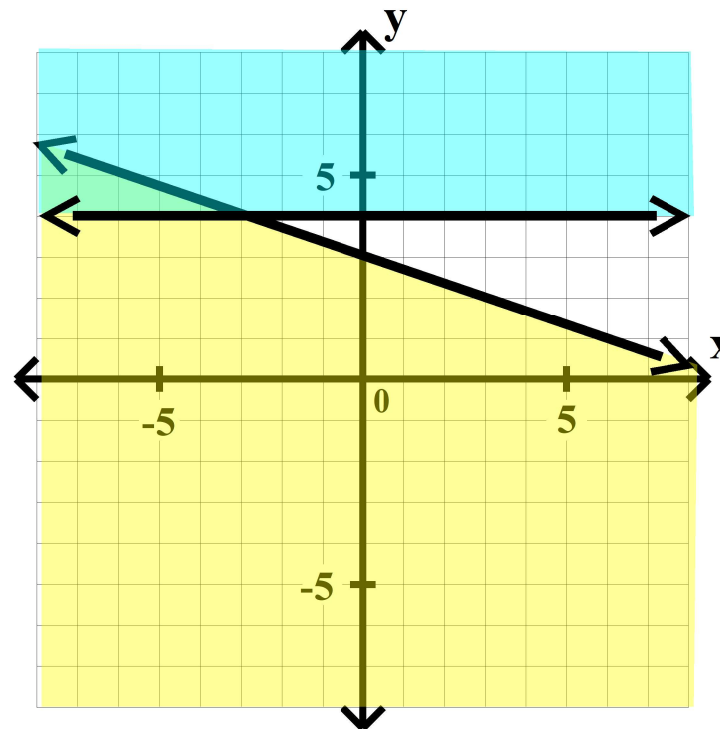
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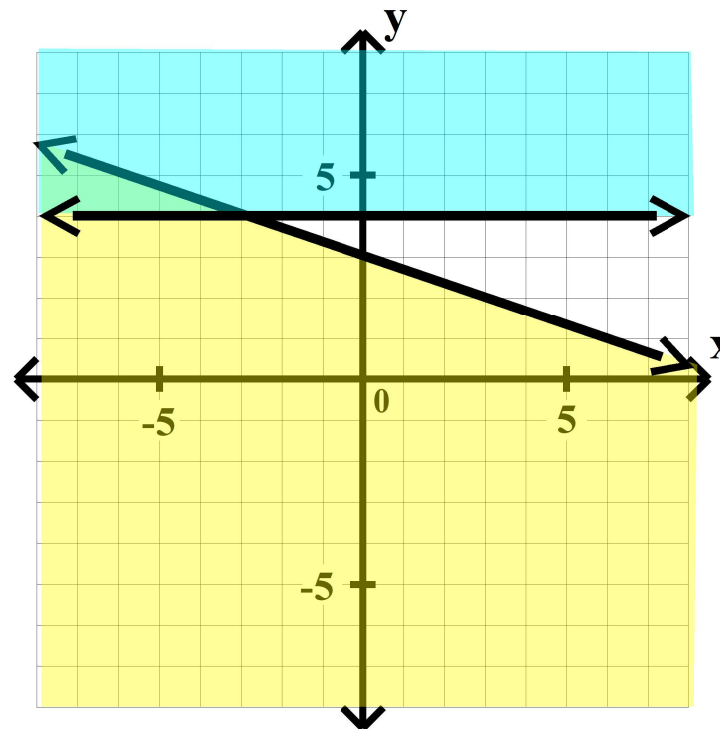
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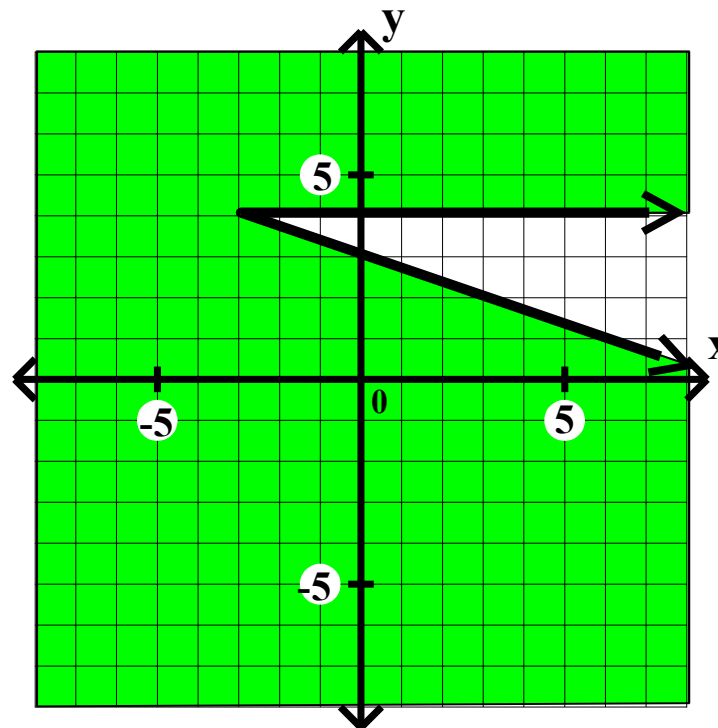
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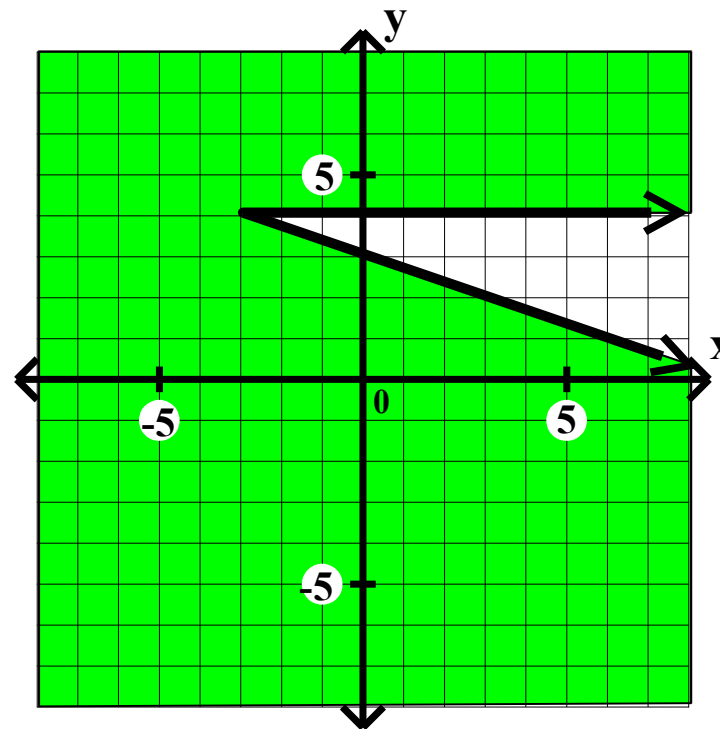
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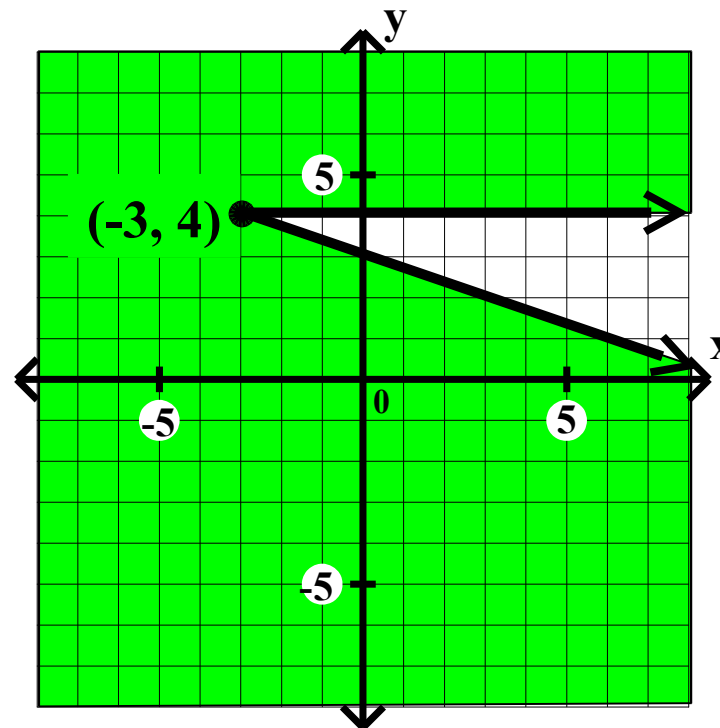
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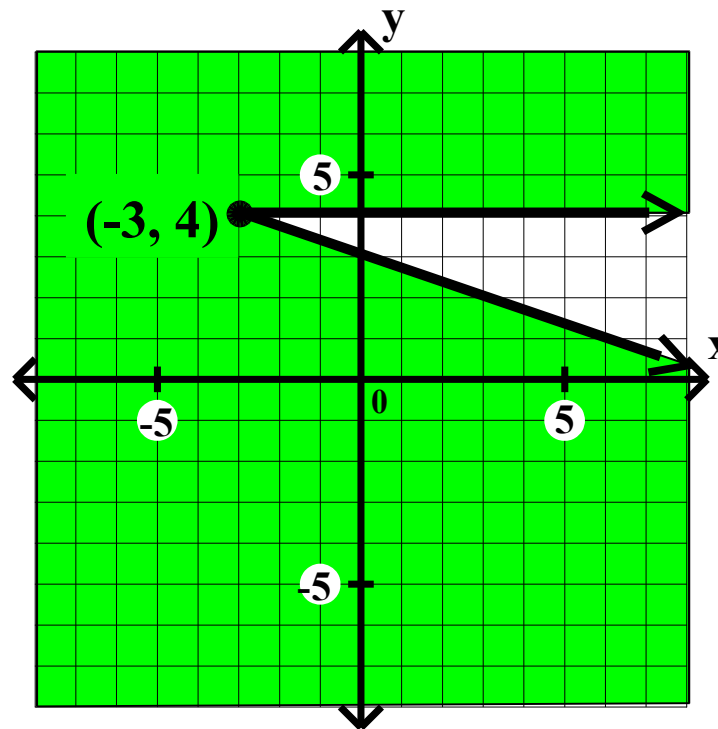
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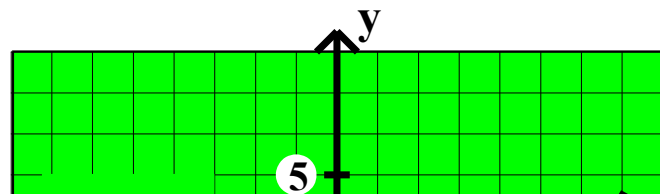
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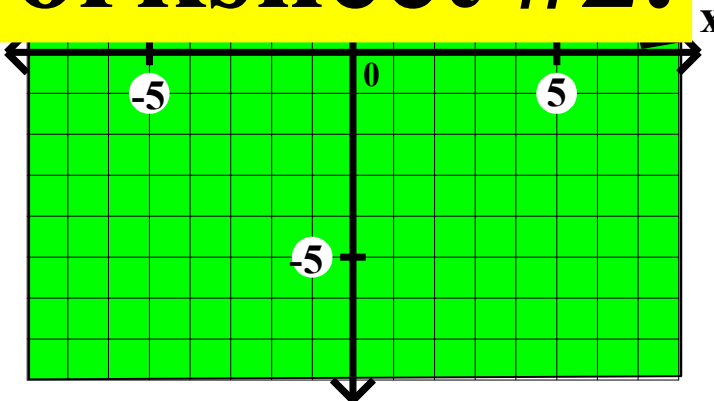
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Good luck on worksheet #2.



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