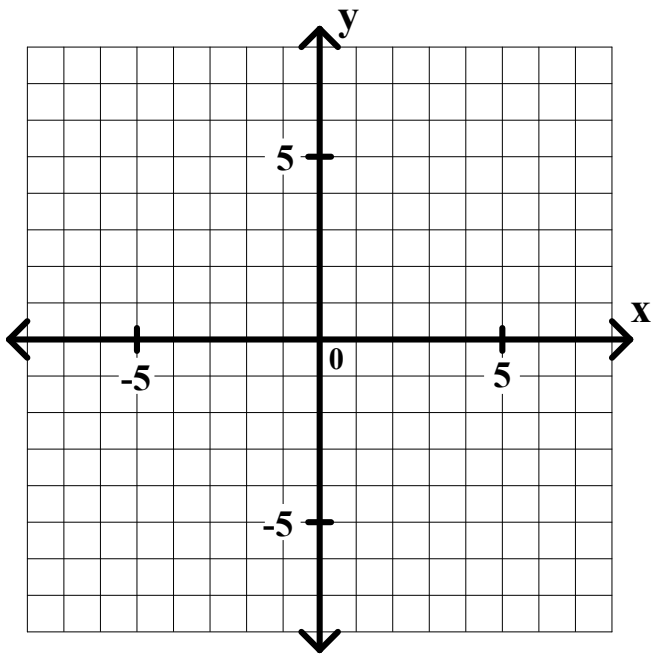
Algebra I Lesson #4 Unit 7
Class Worksheet #4
For Worksheets #7 & #8

Algebra I Class Worksheet #4 Unit 7

Graph each of the following.

1. $2x + 3y < 6$



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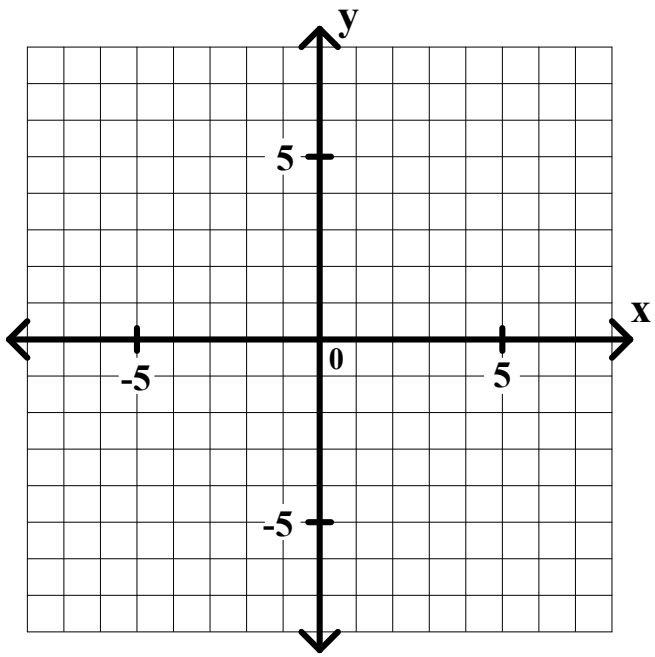

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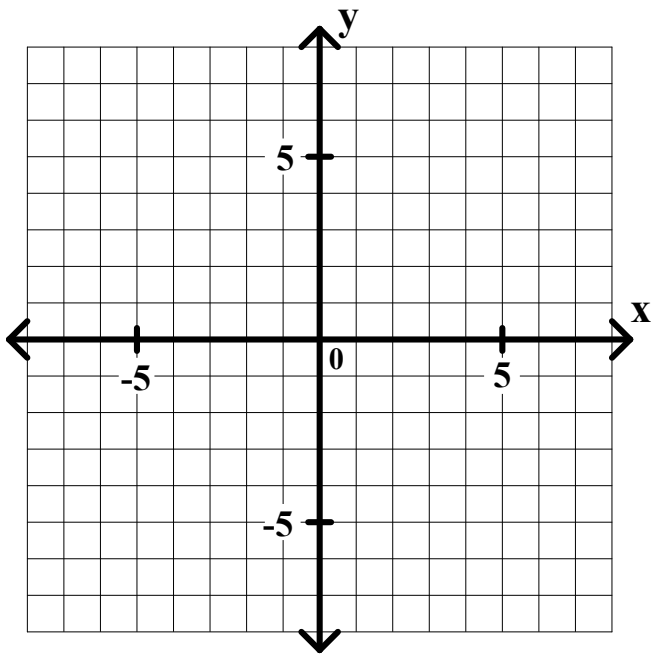

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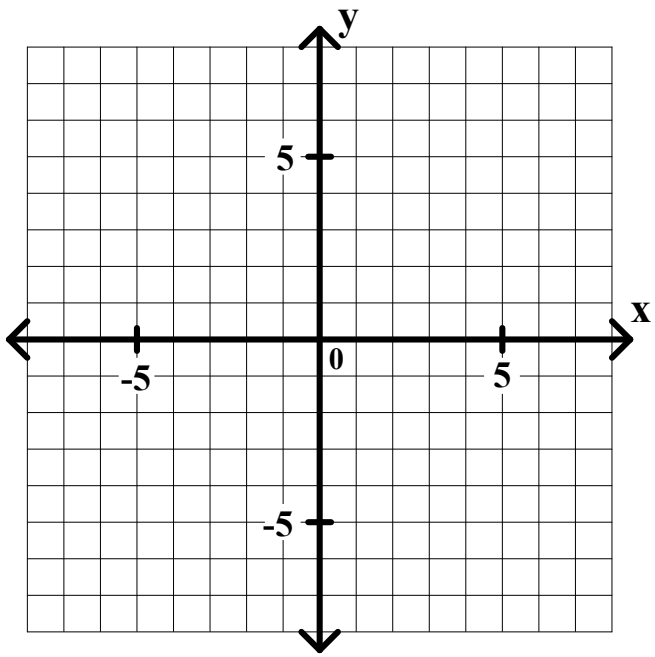

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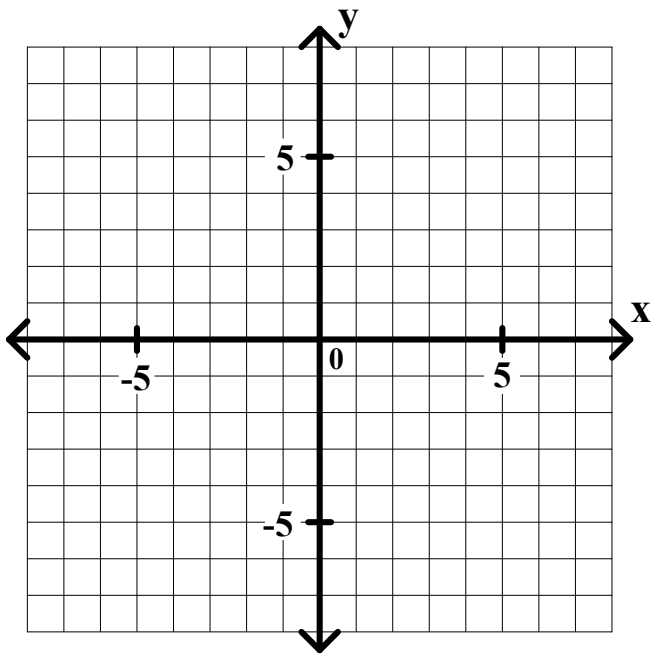

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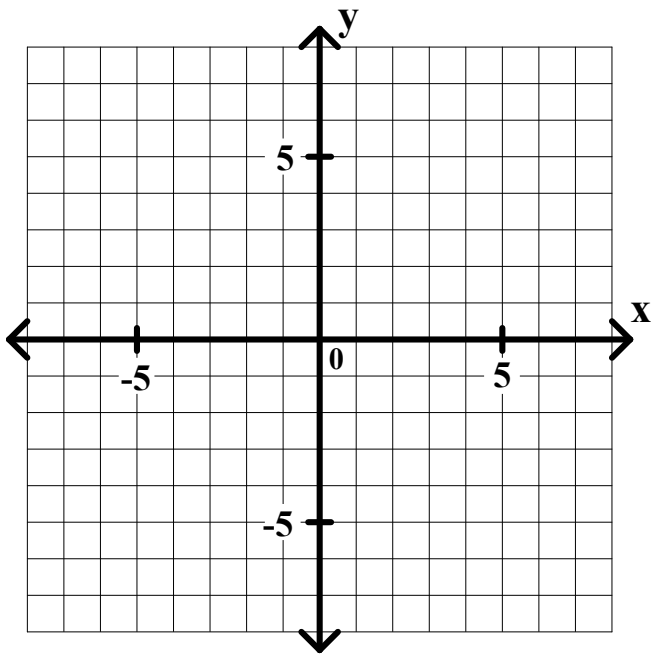

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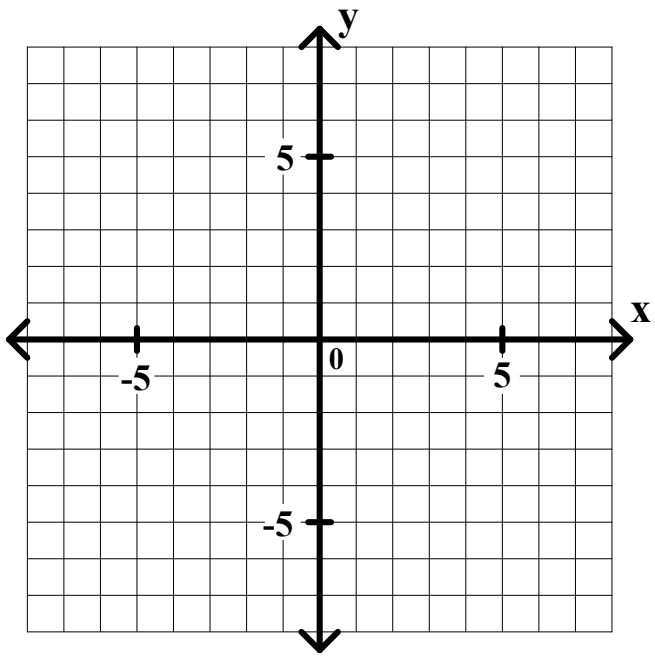

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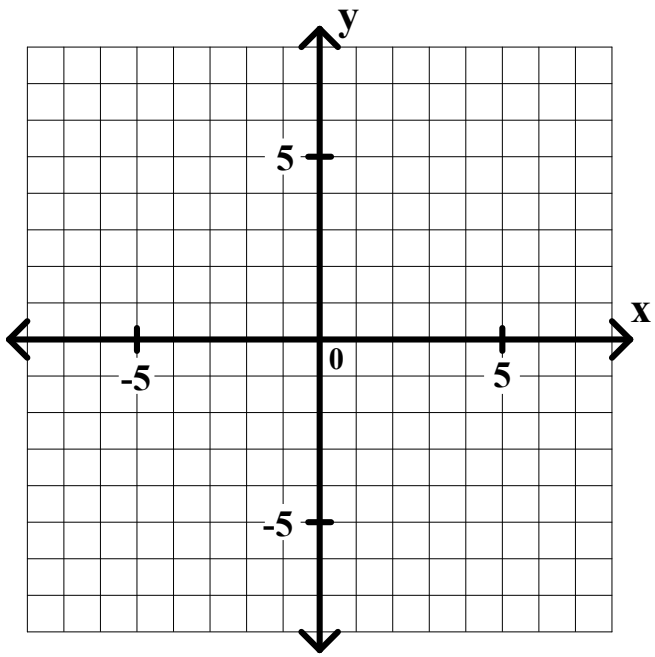

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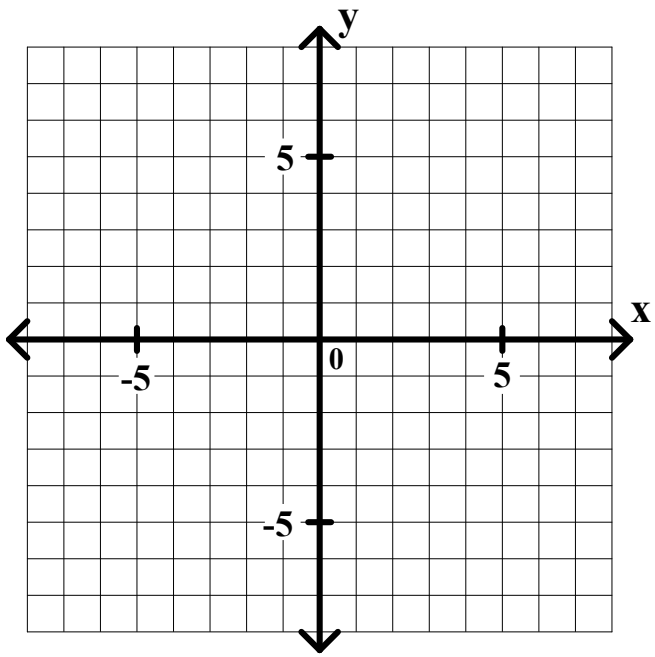

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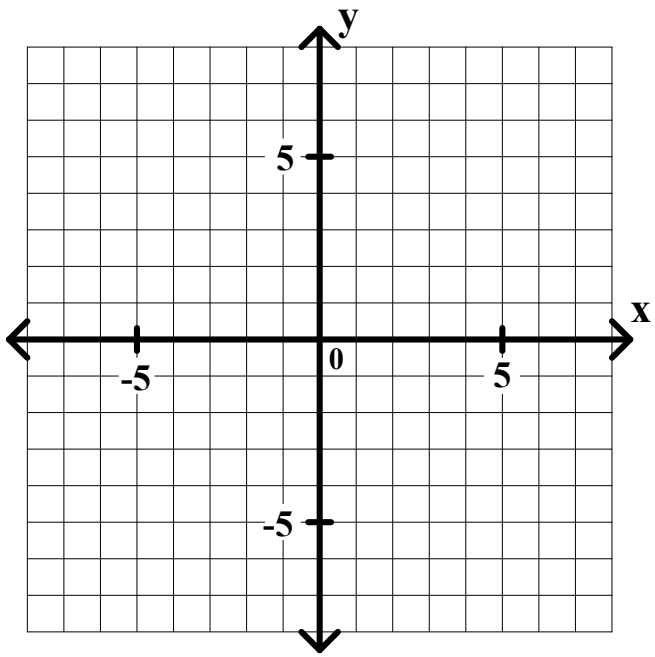

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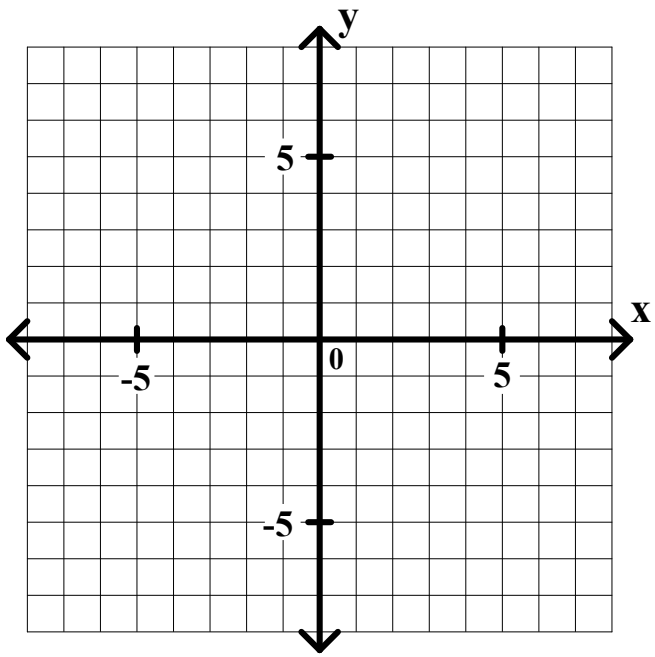

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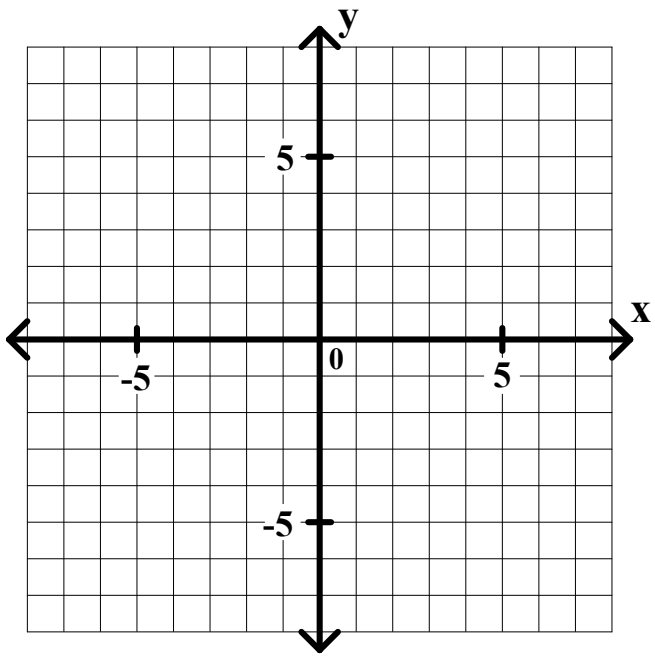

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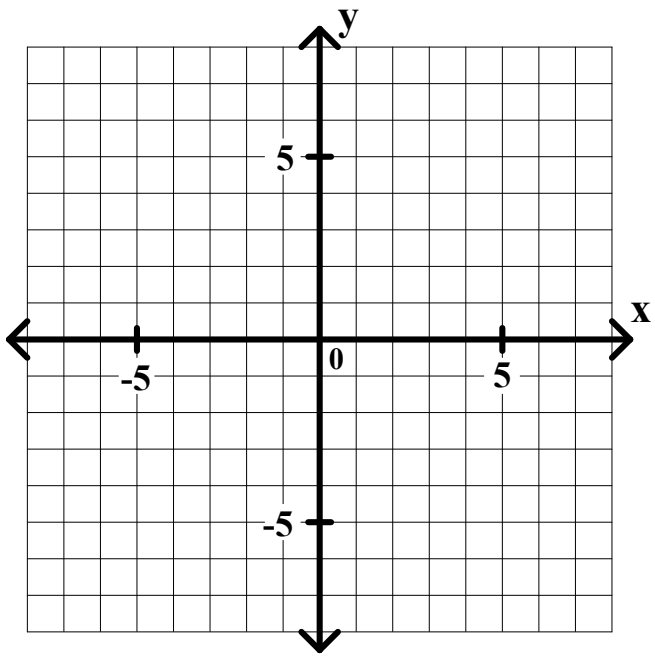

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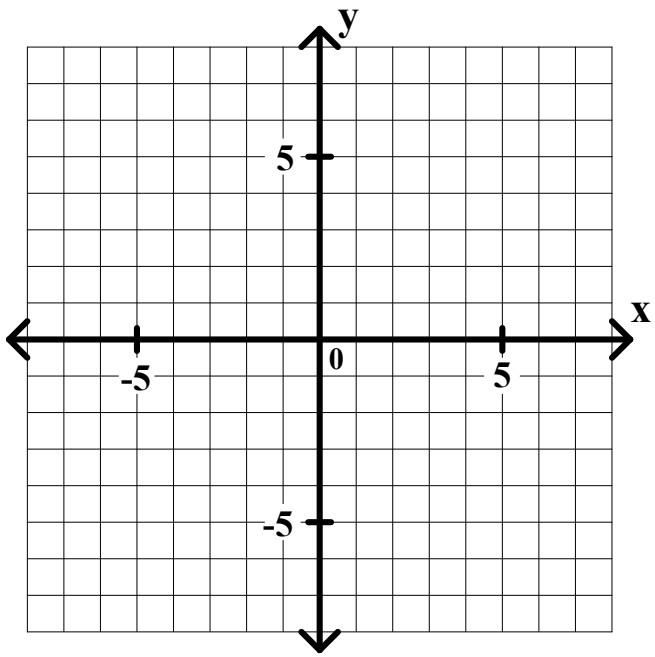

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Step 2: Graph several points on the boundary line.

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Graph each of the following.

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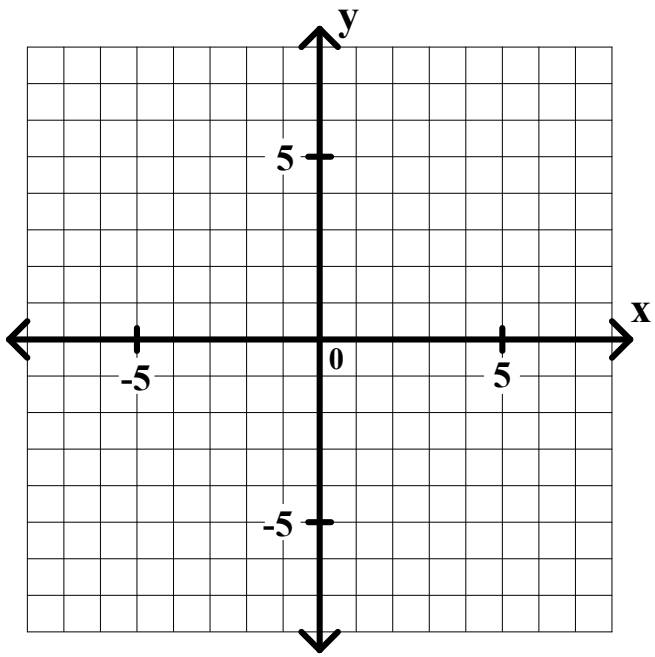
The boundary line is the oblique line $y = \frac{-2}{3}x + 2$.



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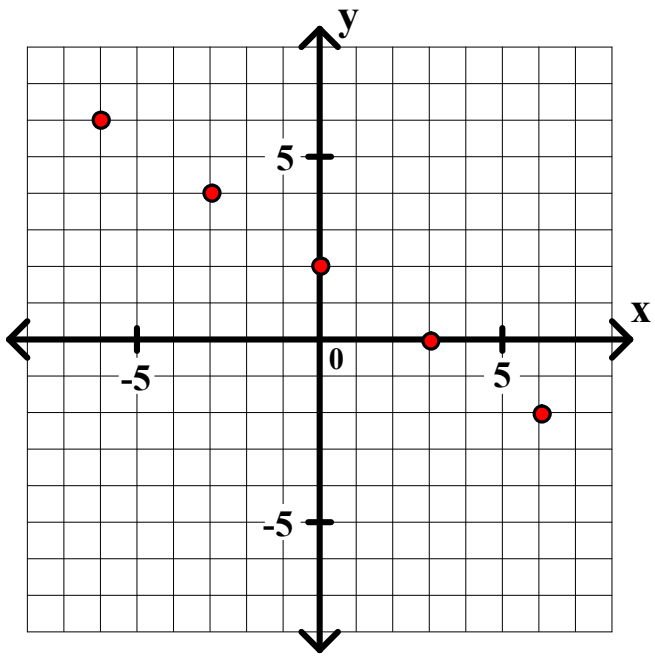

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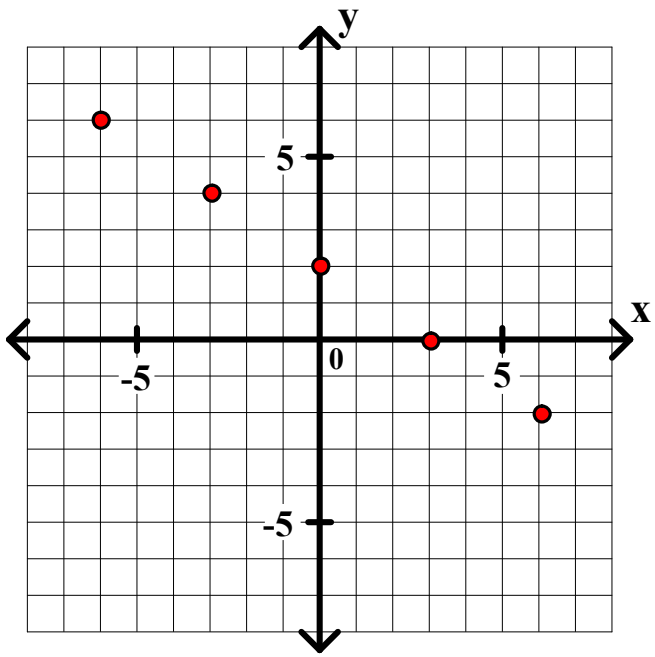

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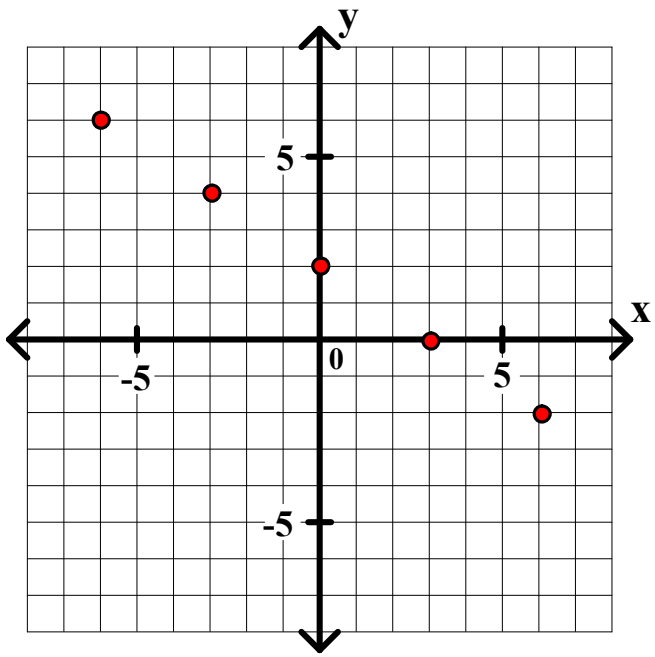

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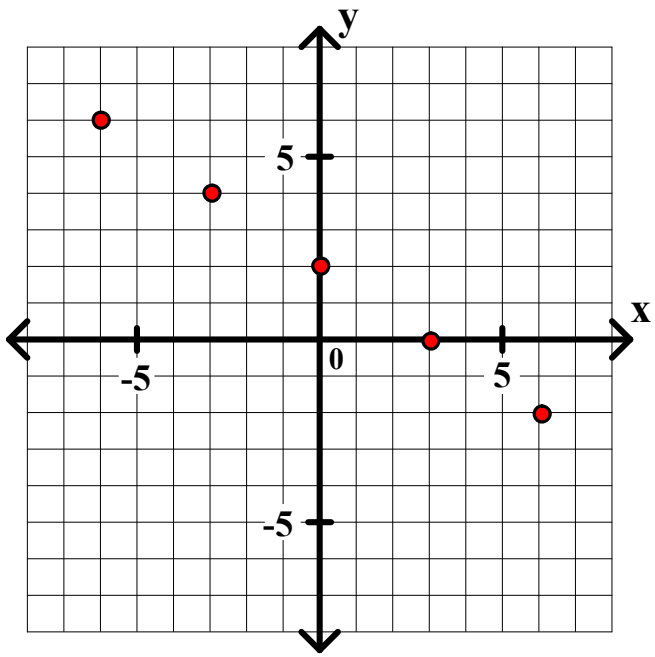

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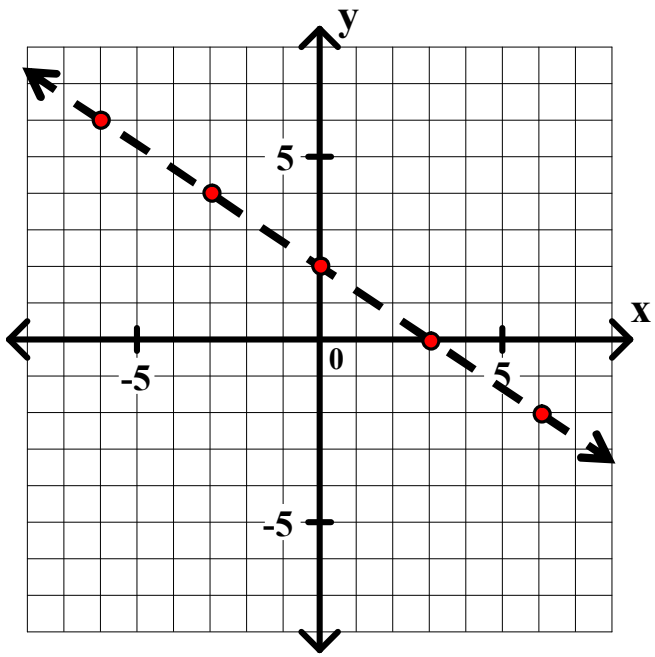

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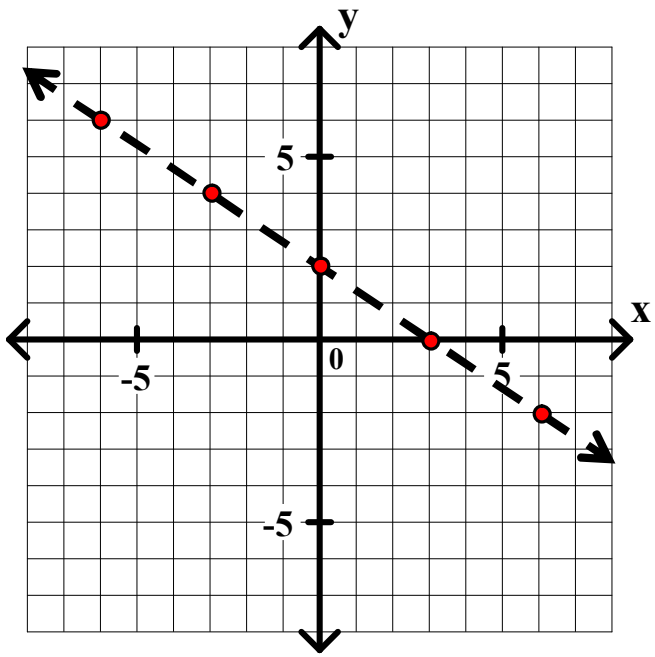

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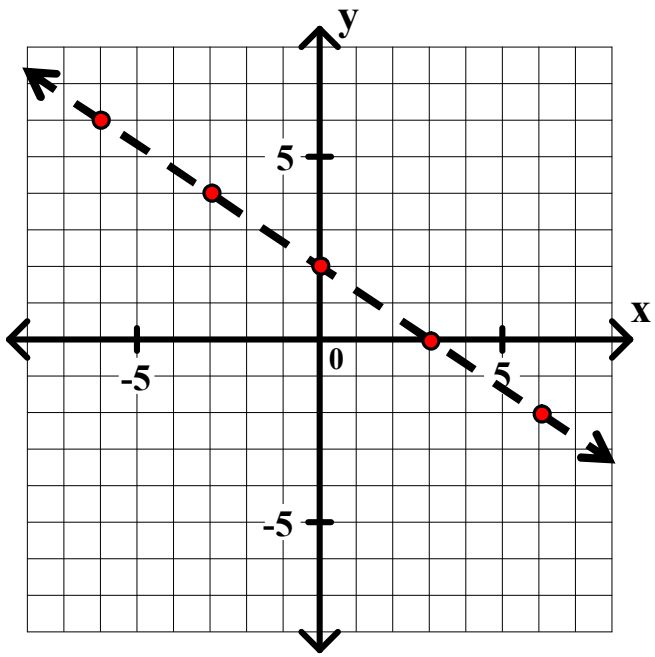

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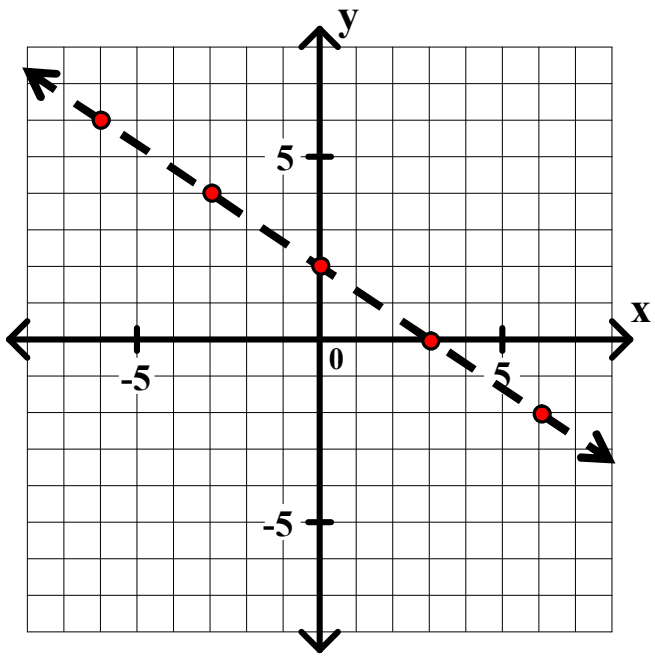

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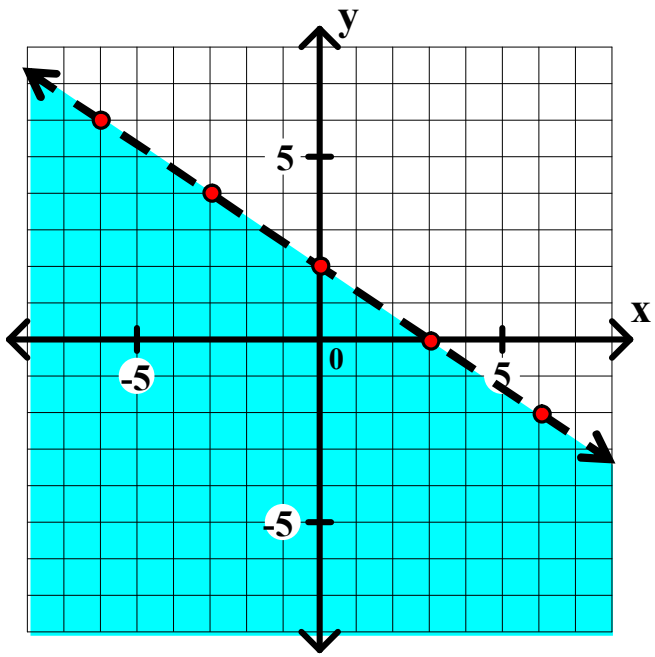

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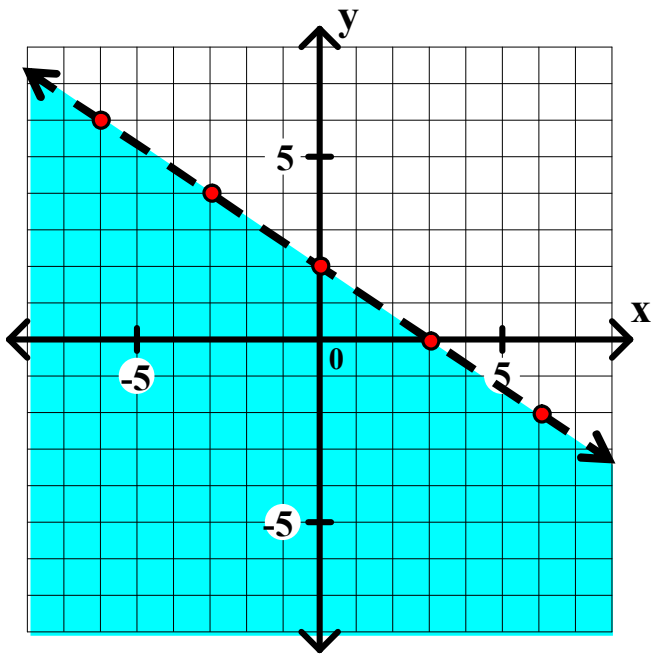

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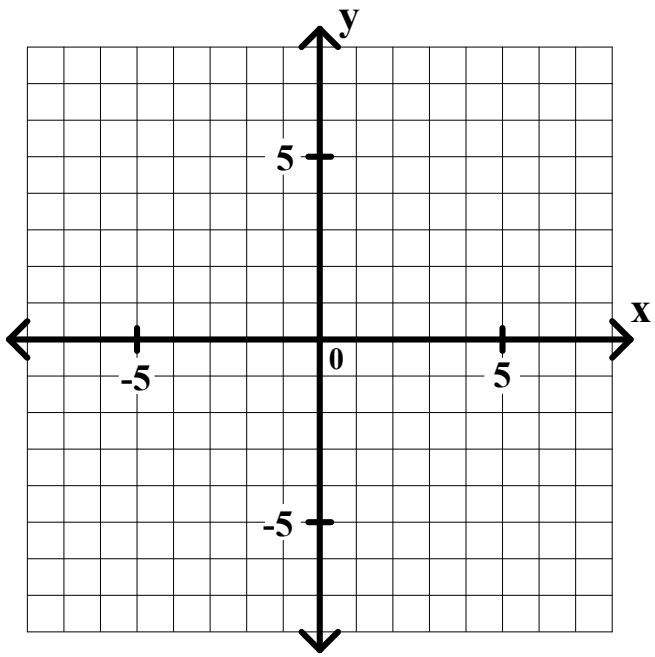

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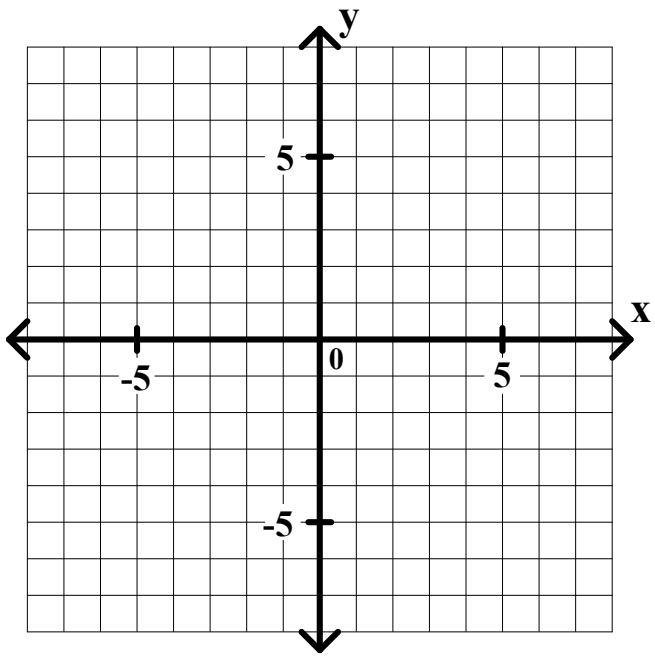

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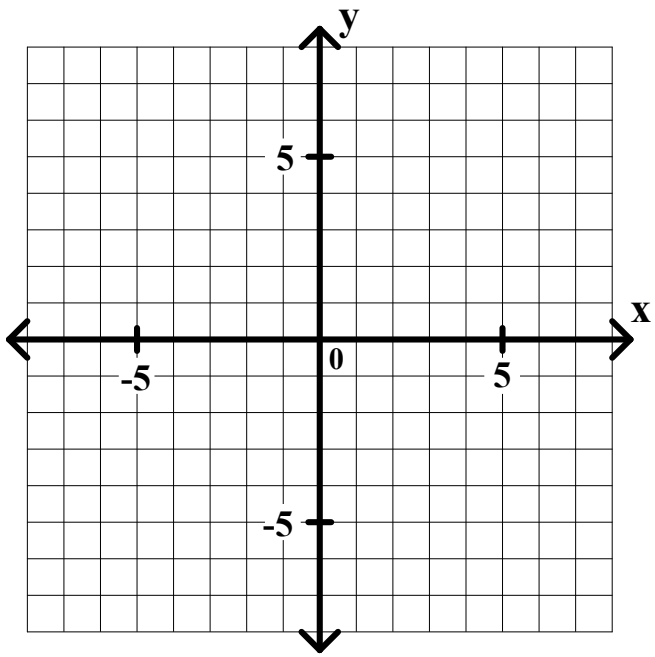

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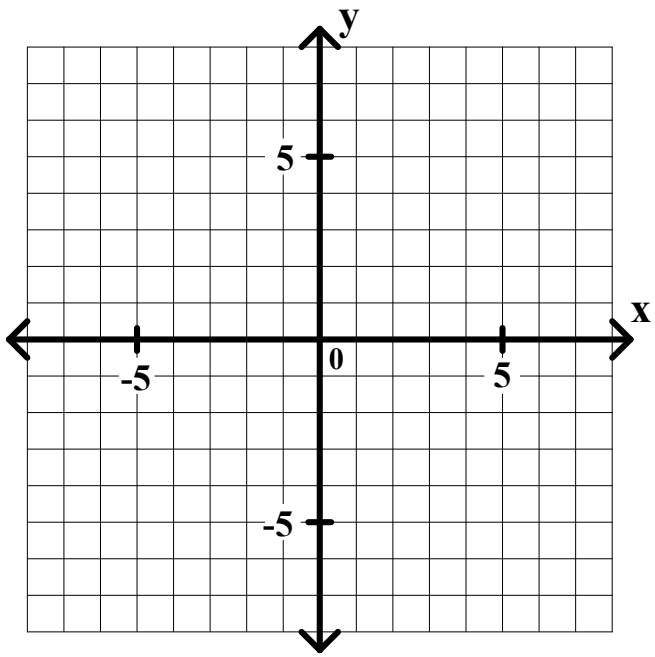

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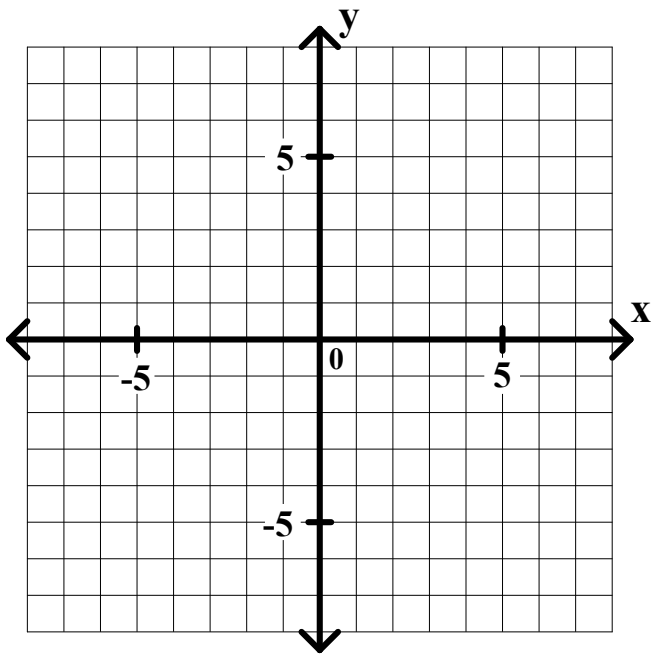

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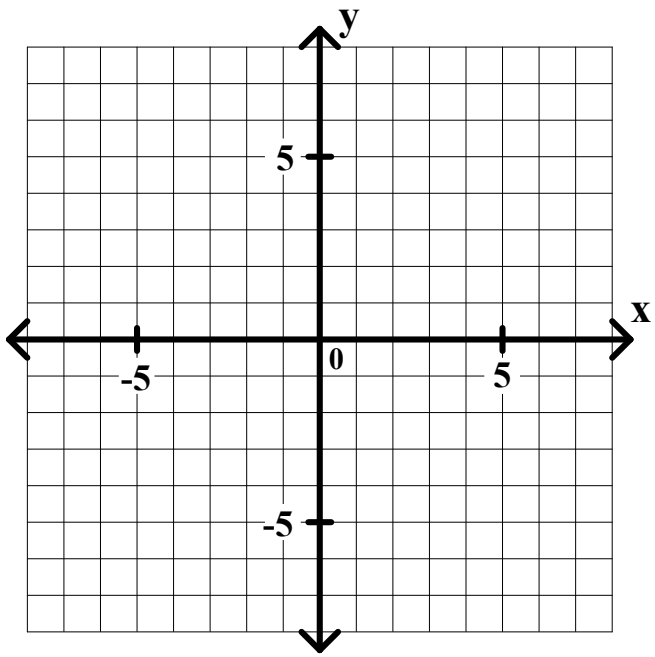

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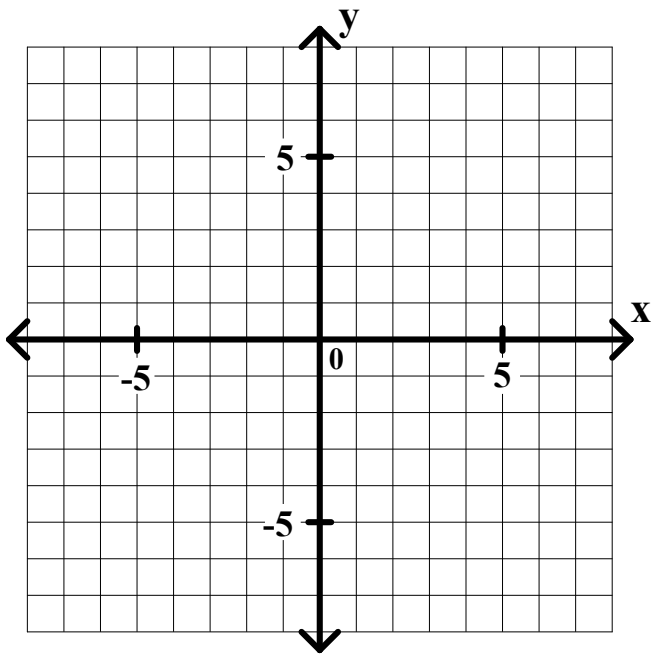

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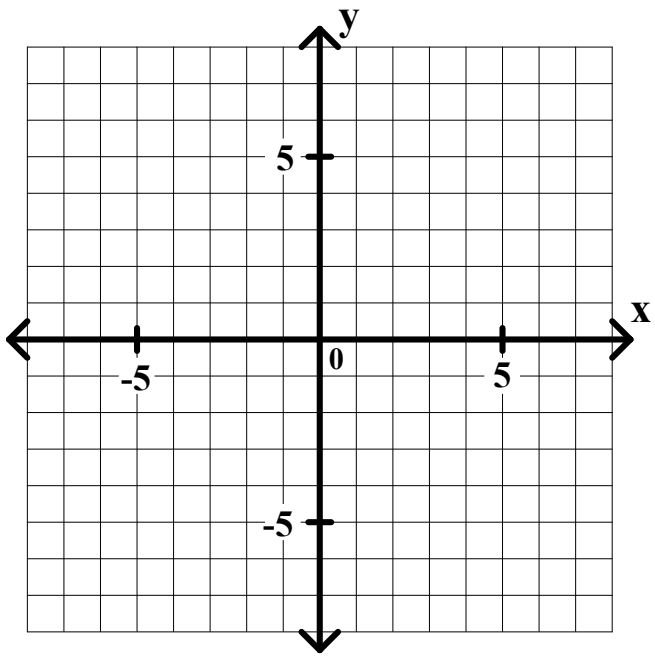

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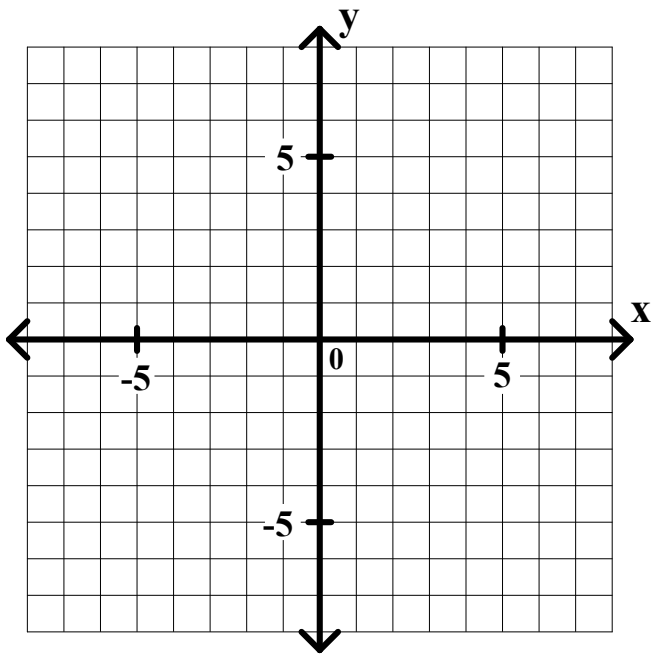

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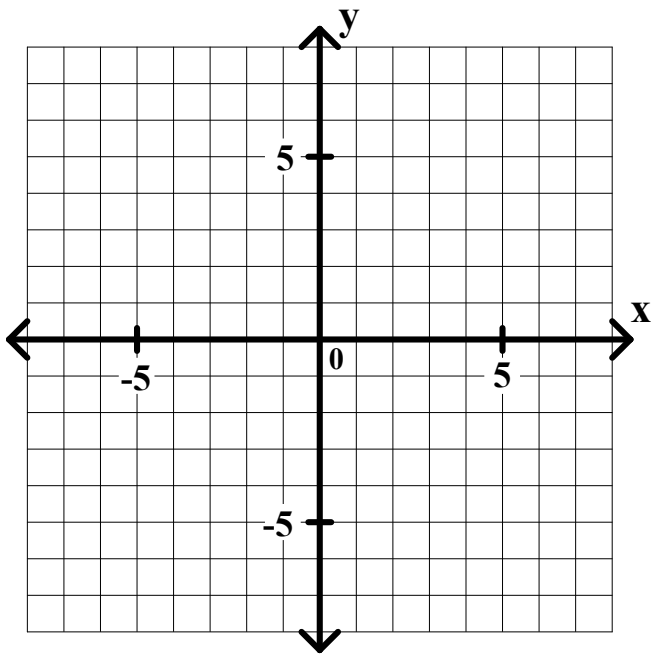

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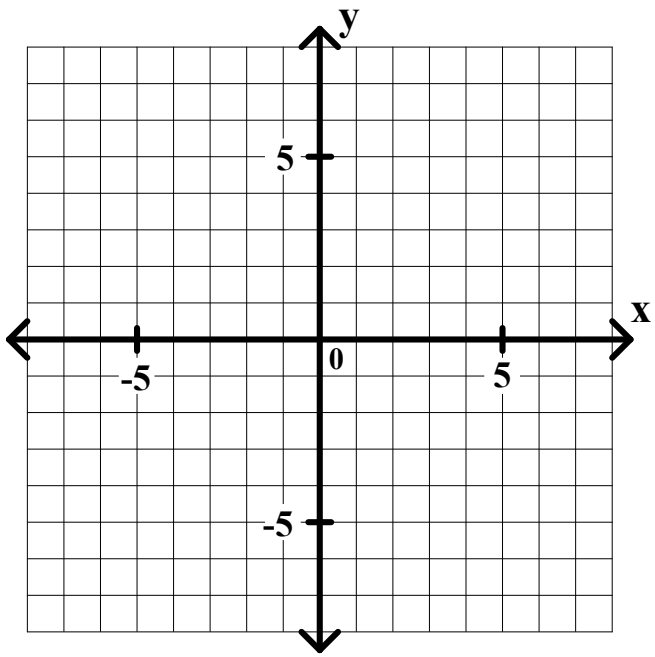

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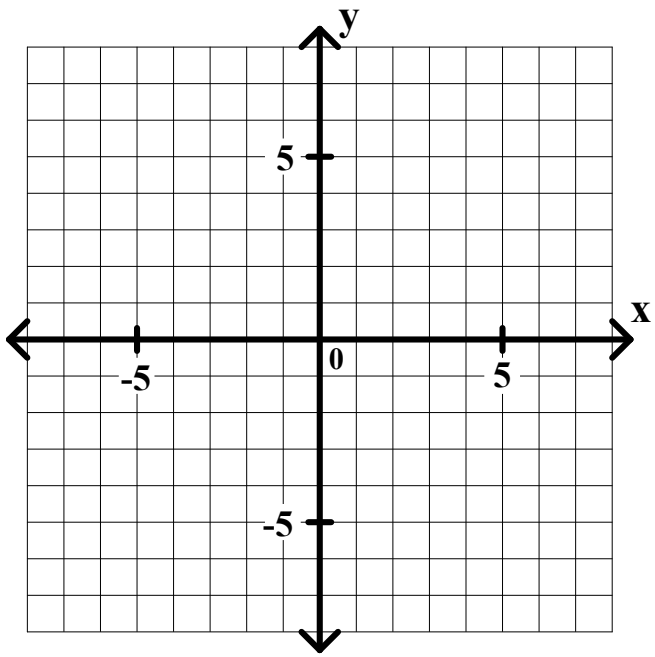

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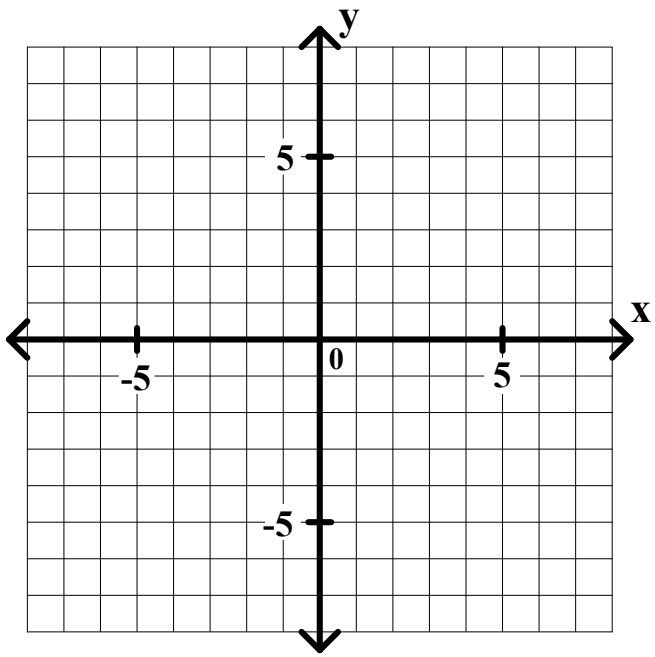

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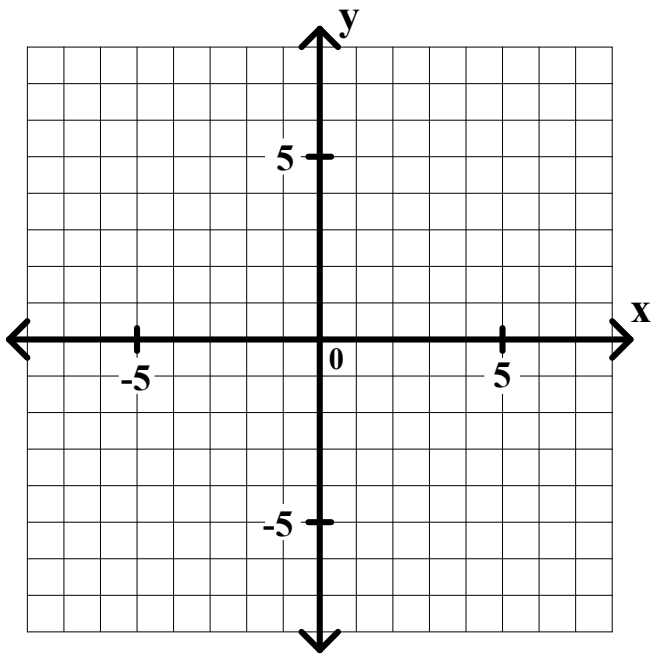

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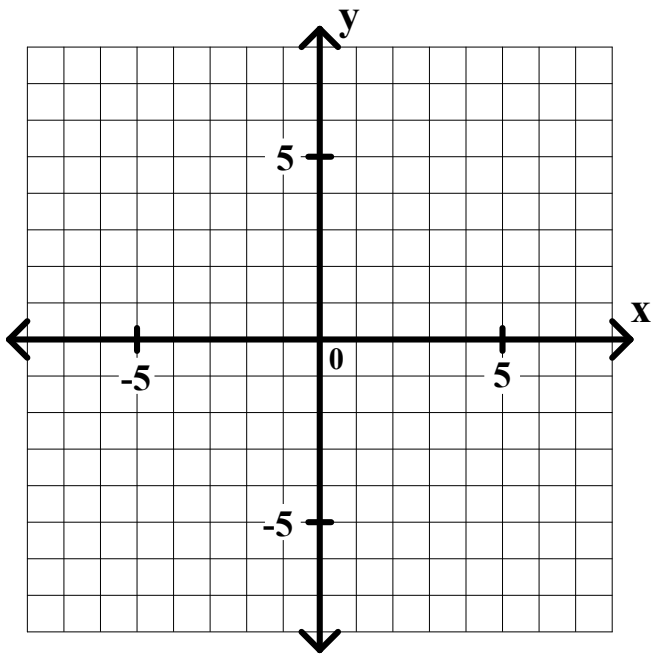

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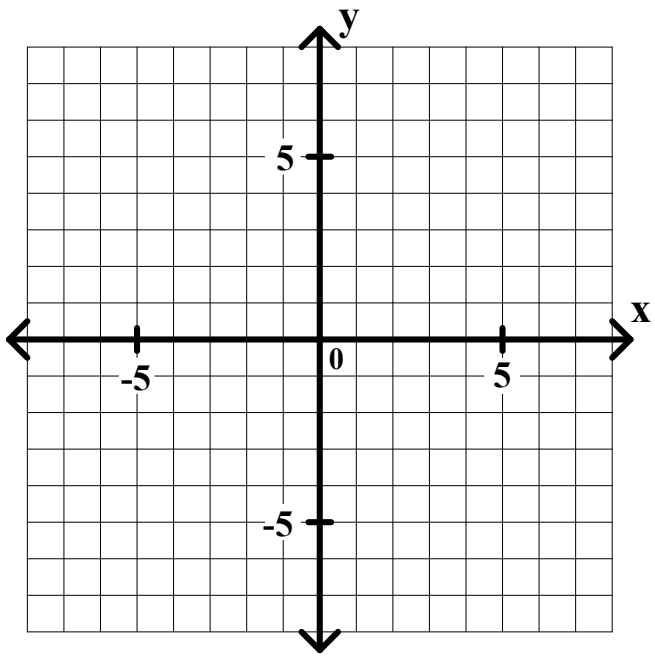

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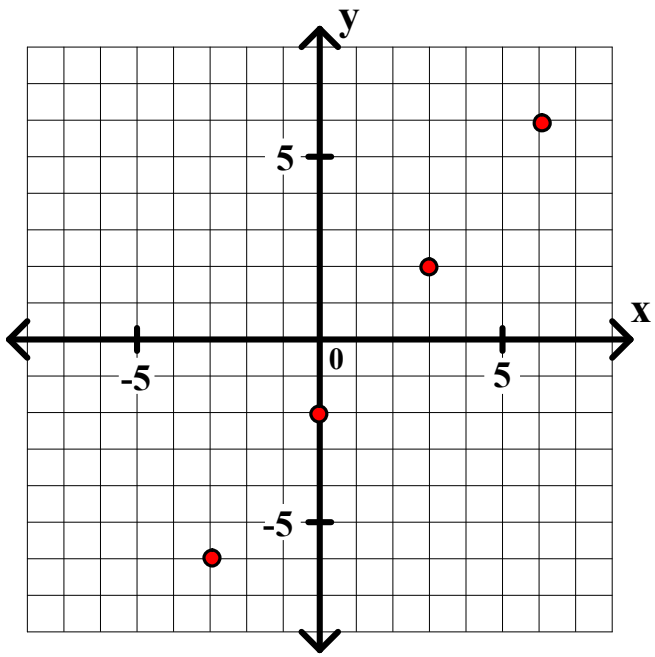

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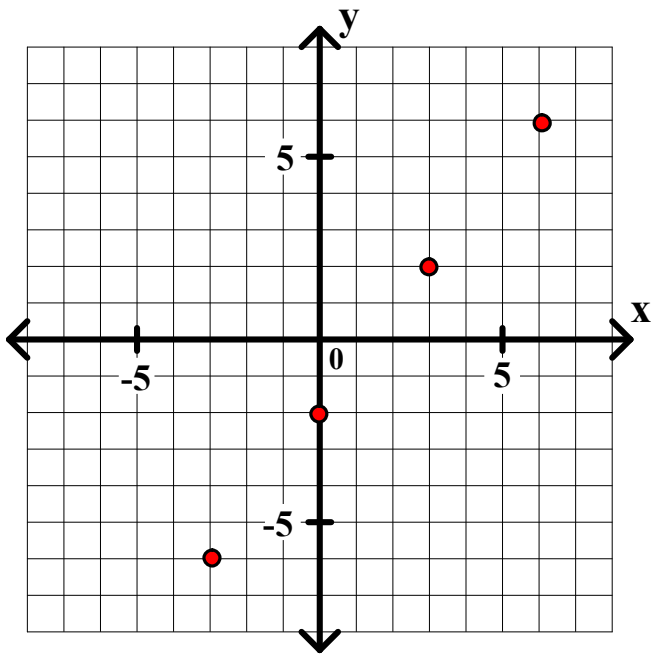

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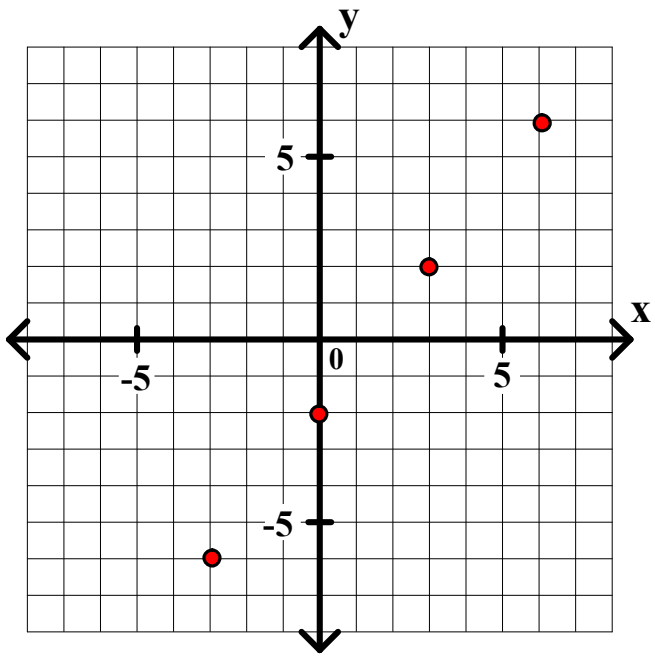

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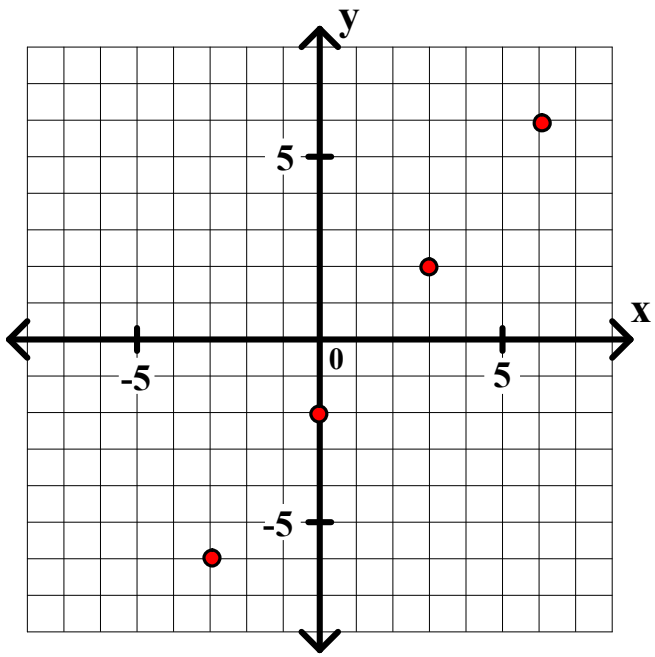

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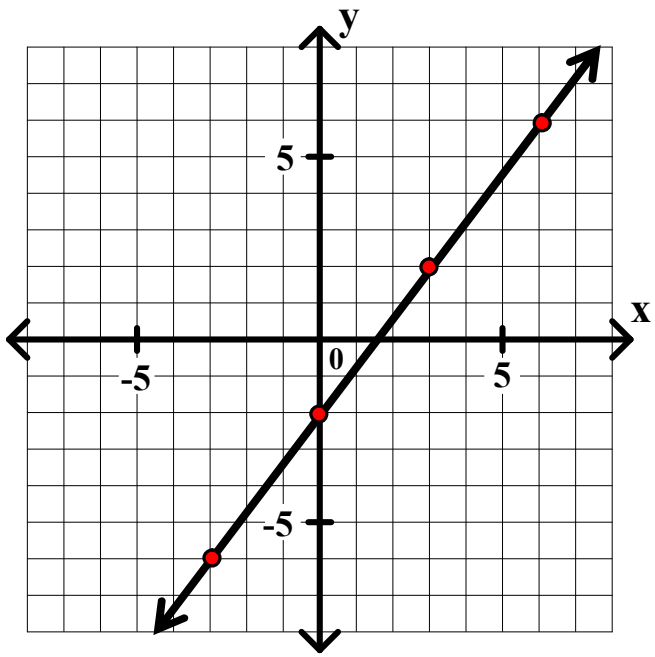

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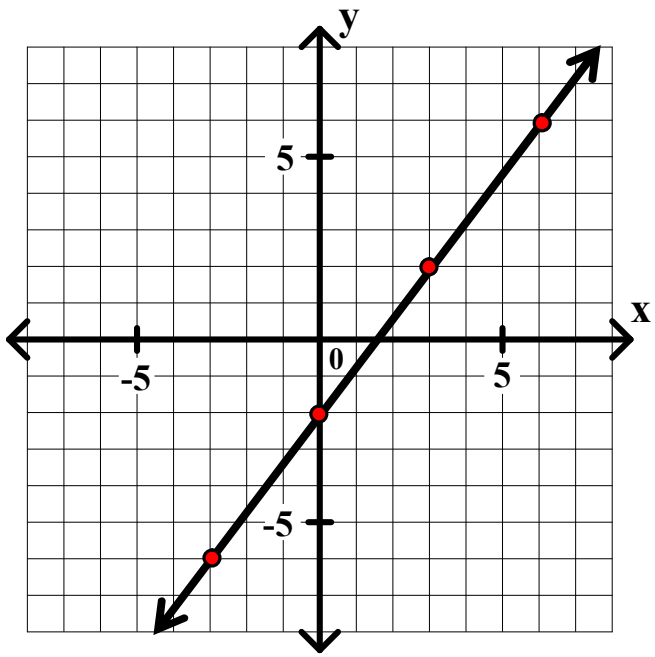

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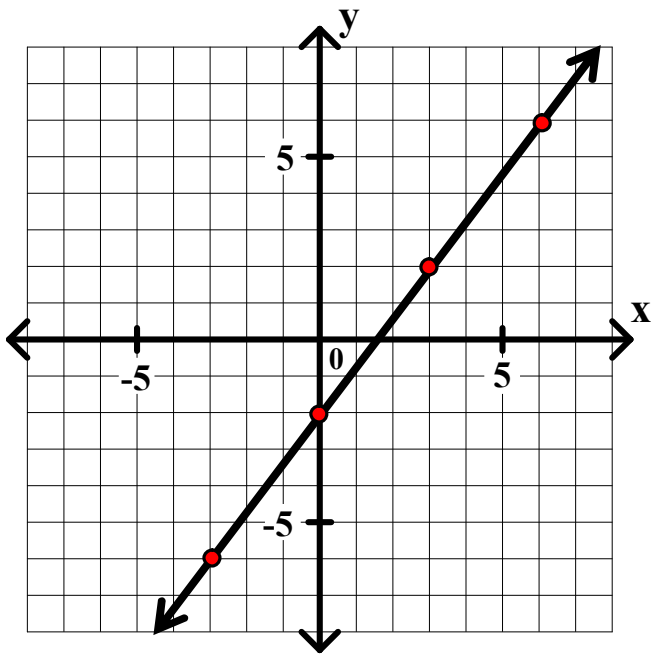

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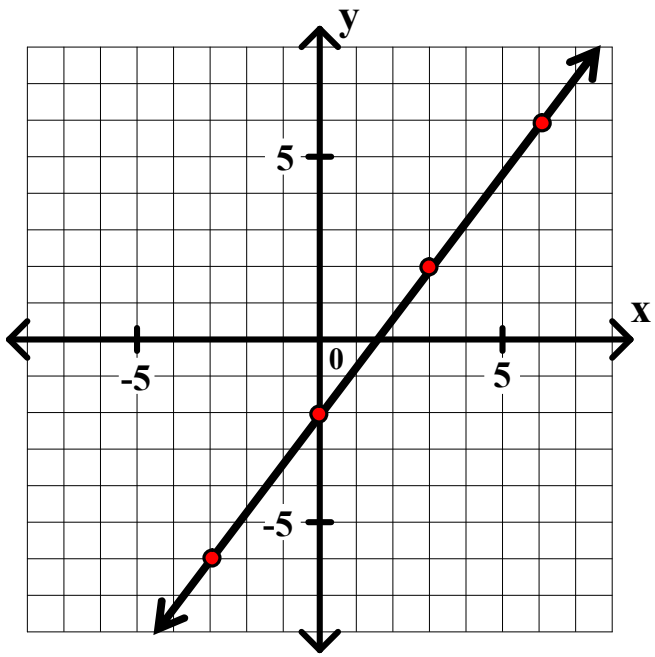

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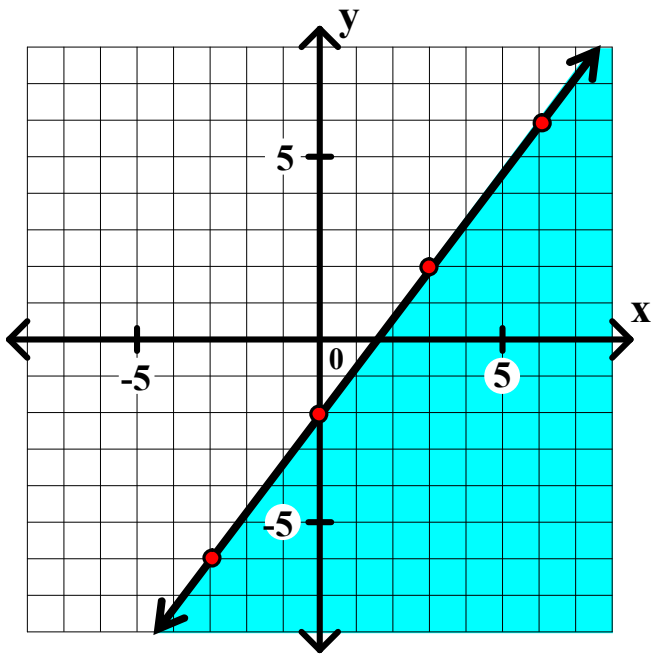

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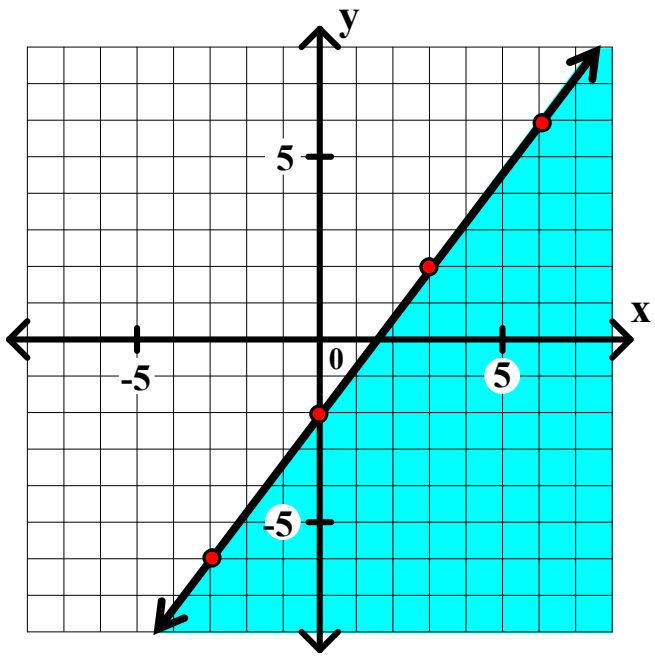

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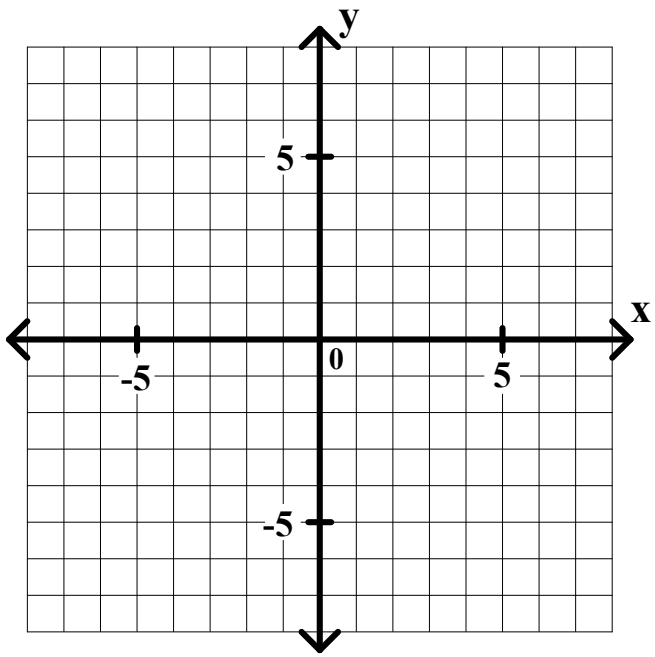

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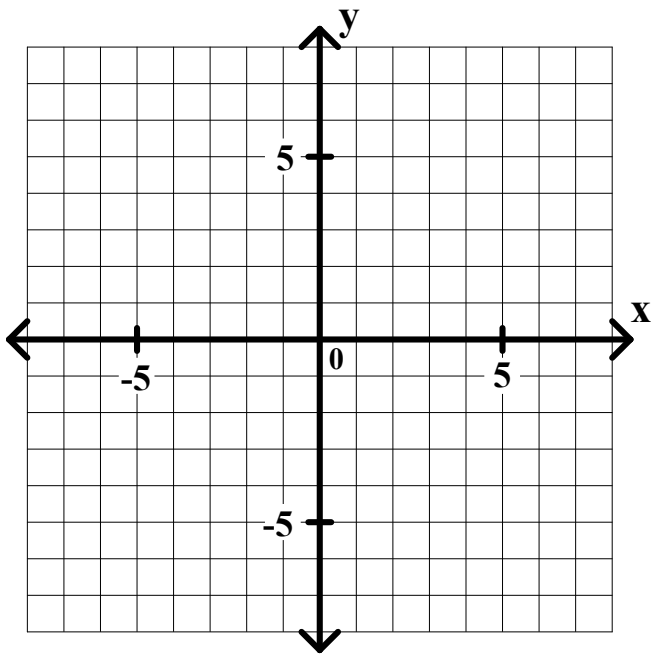

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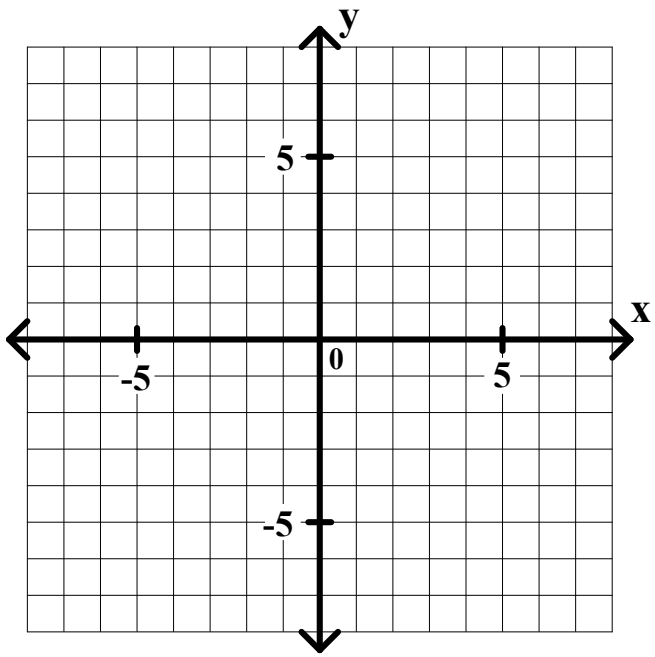

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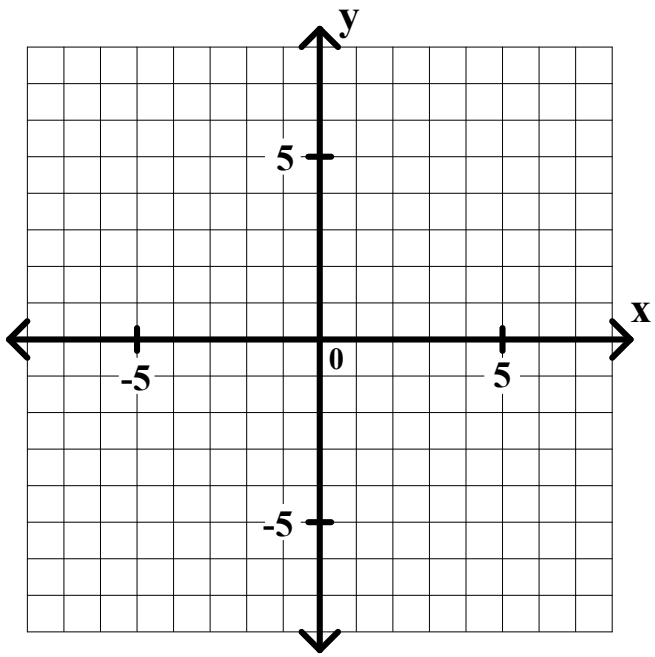

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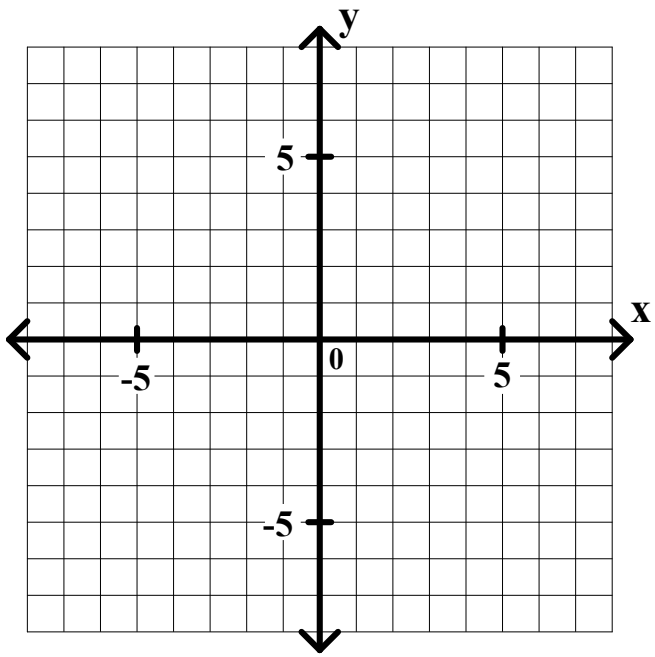

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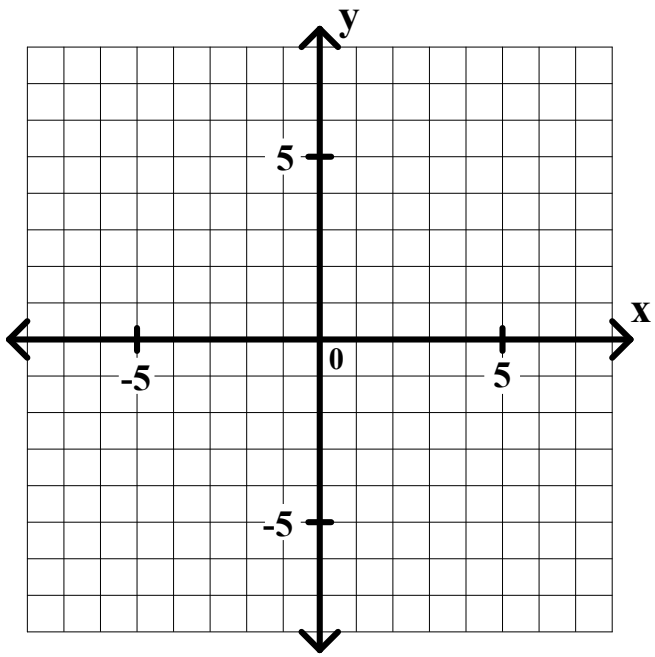

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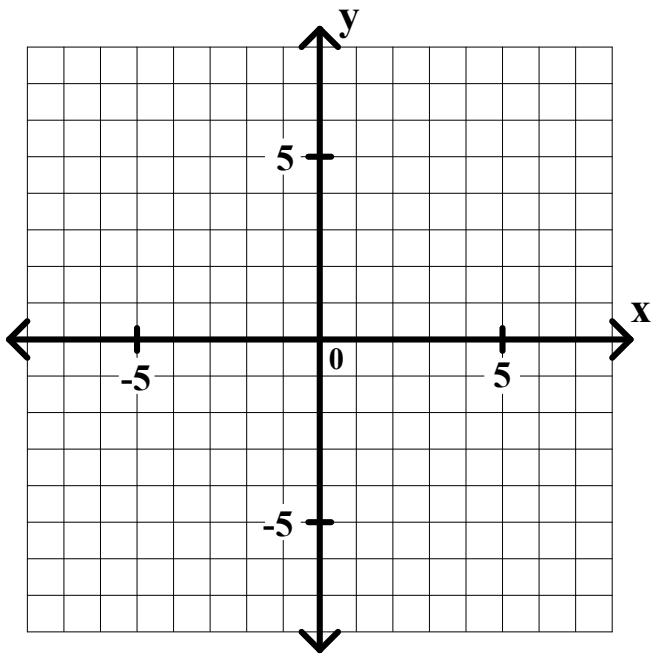

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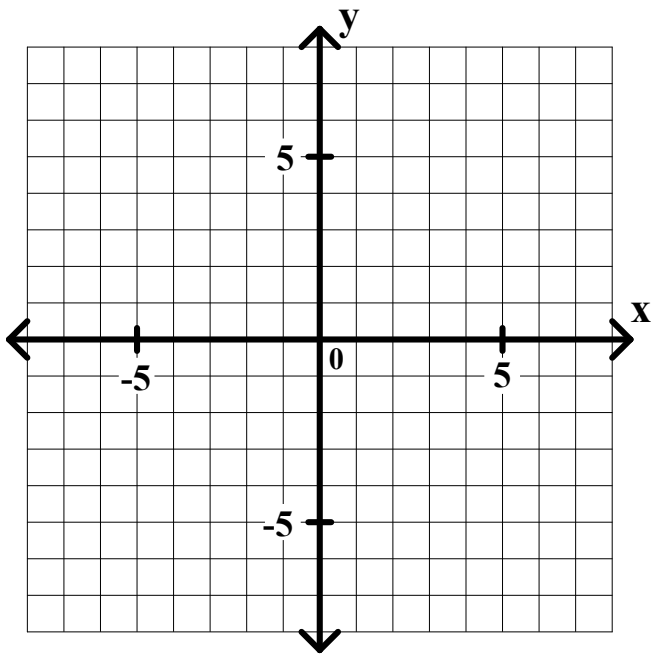

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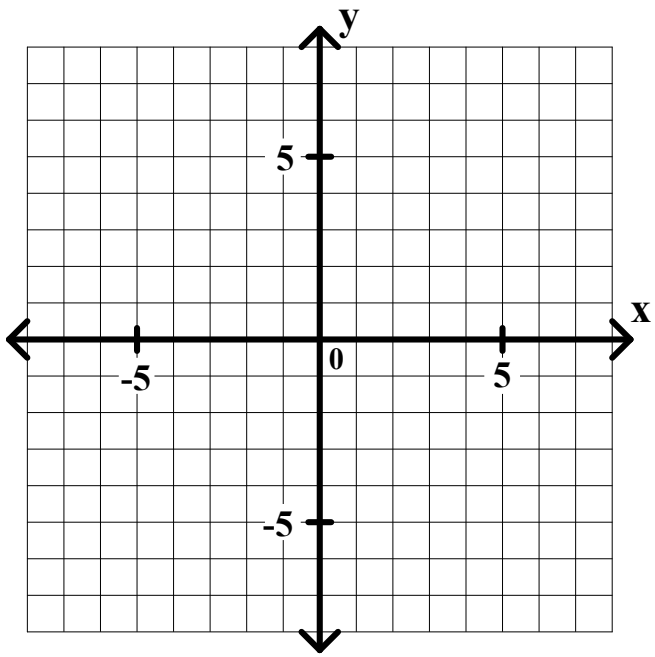

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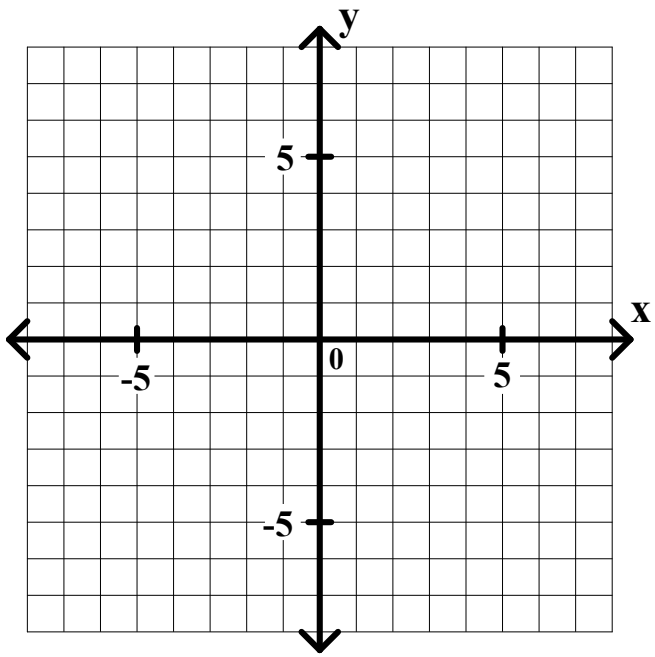

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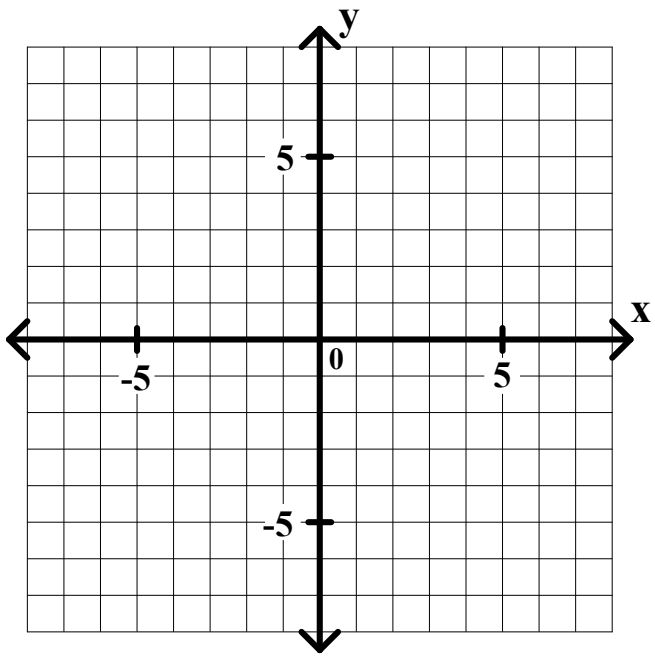

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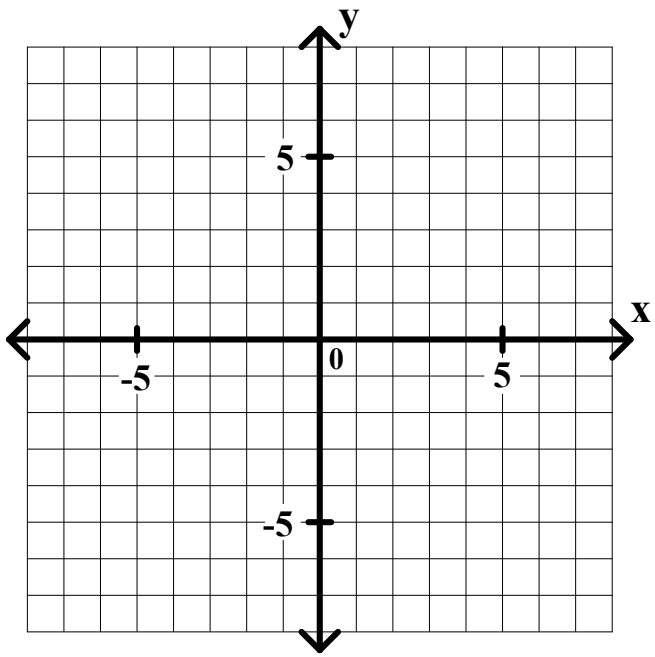

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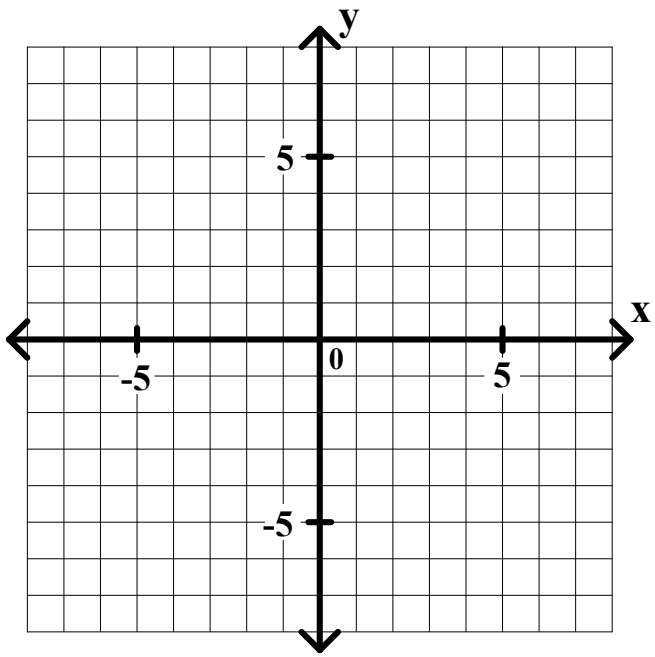

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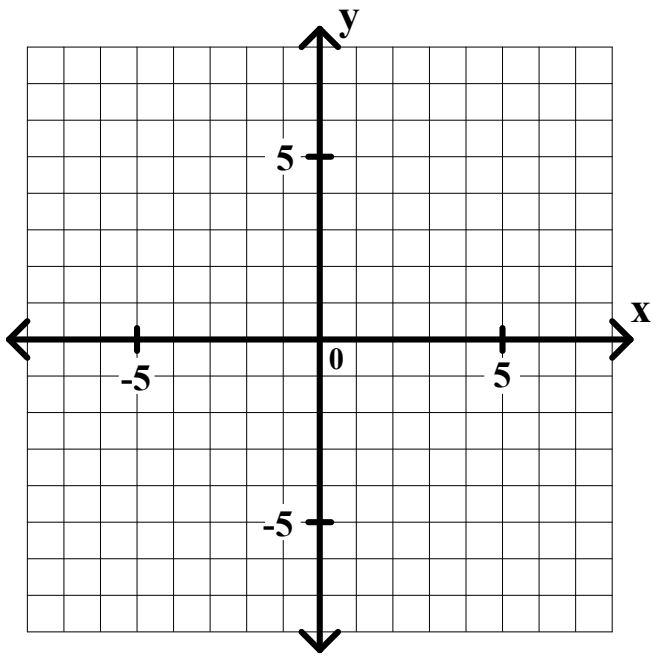

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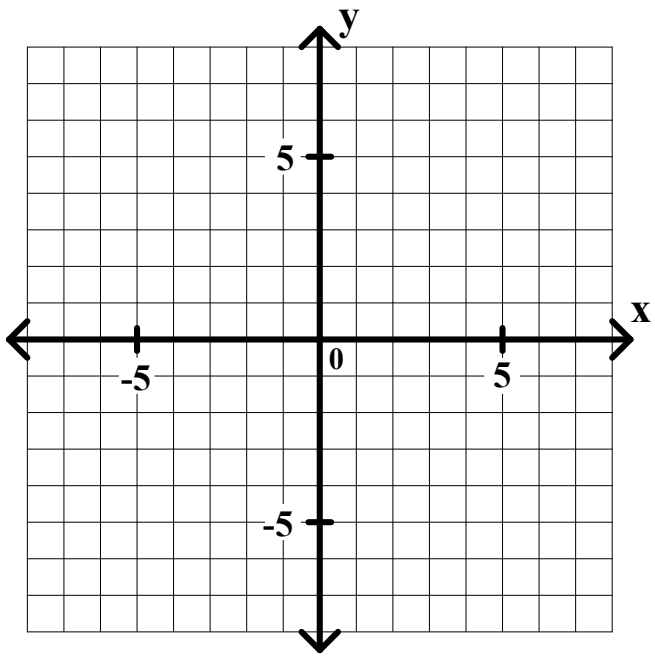

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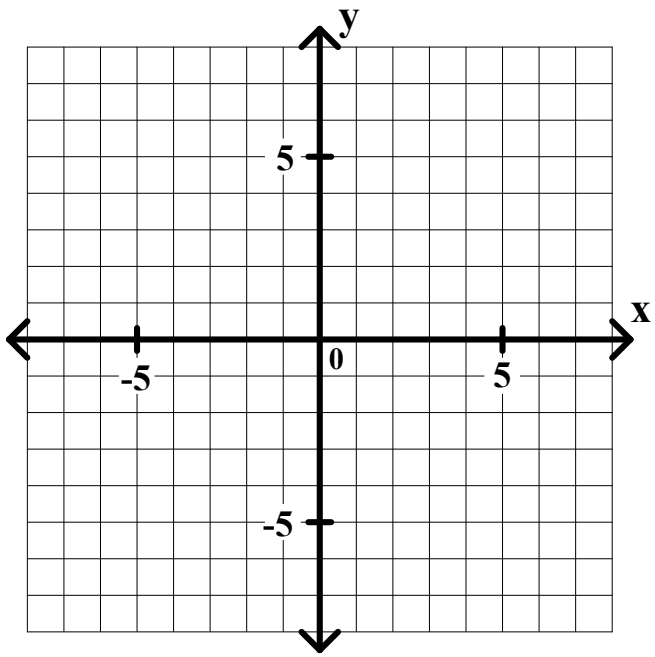

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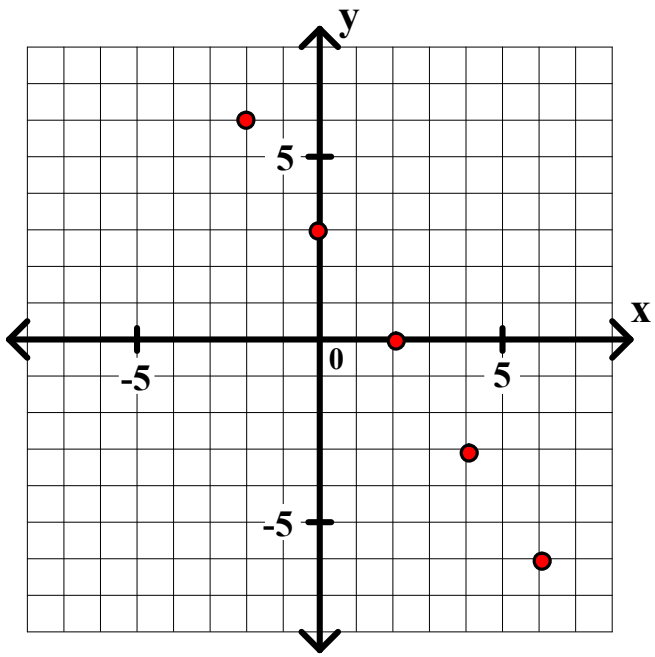

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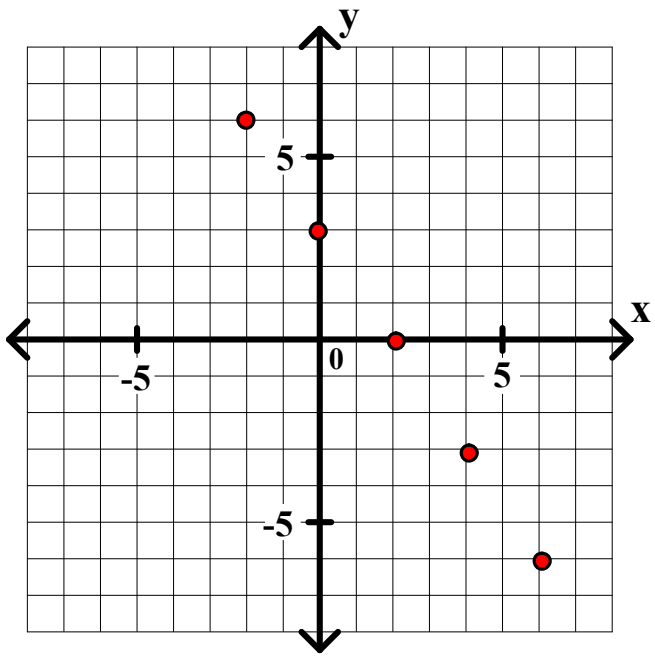
Graph each of the following.

3. $6x + 4y \geq 12$

$4y \geq -6x + 12$

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

The boundary line is the oblique line $y = \frac{-3}{2}x + 3$.



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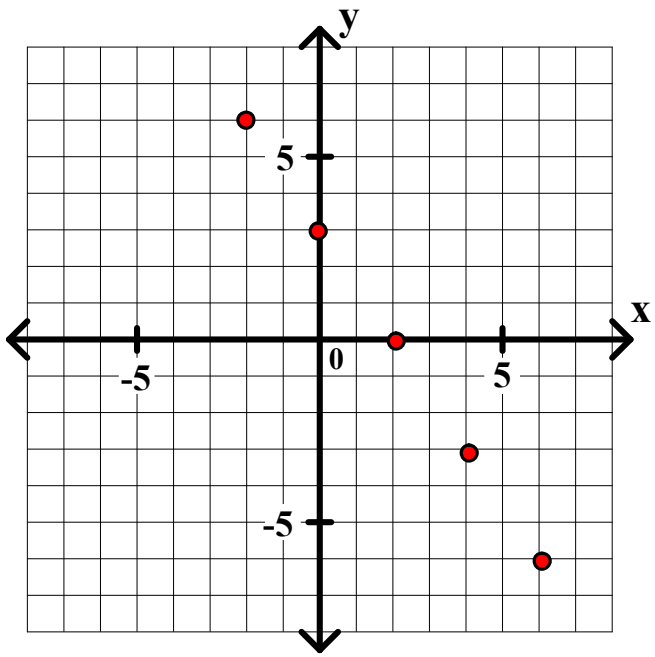

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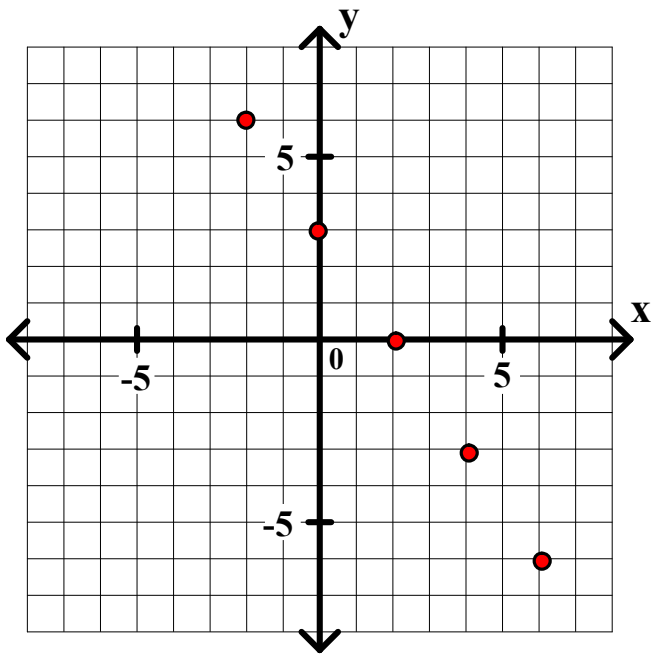

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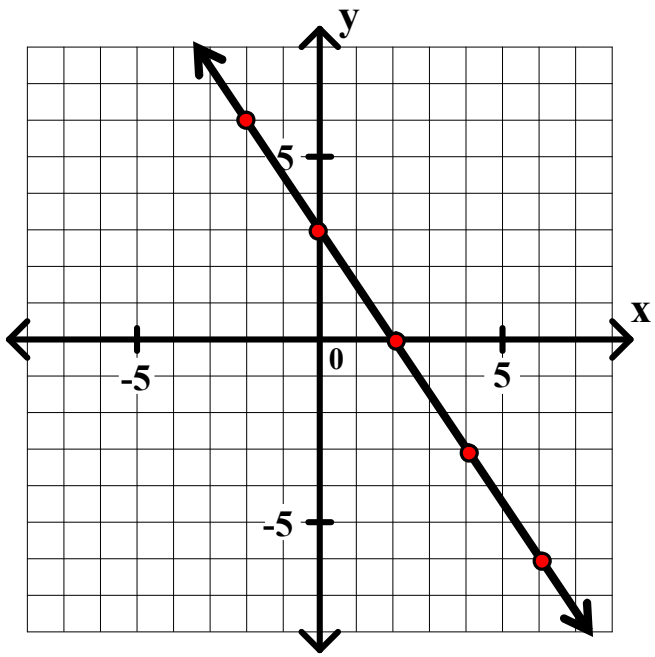

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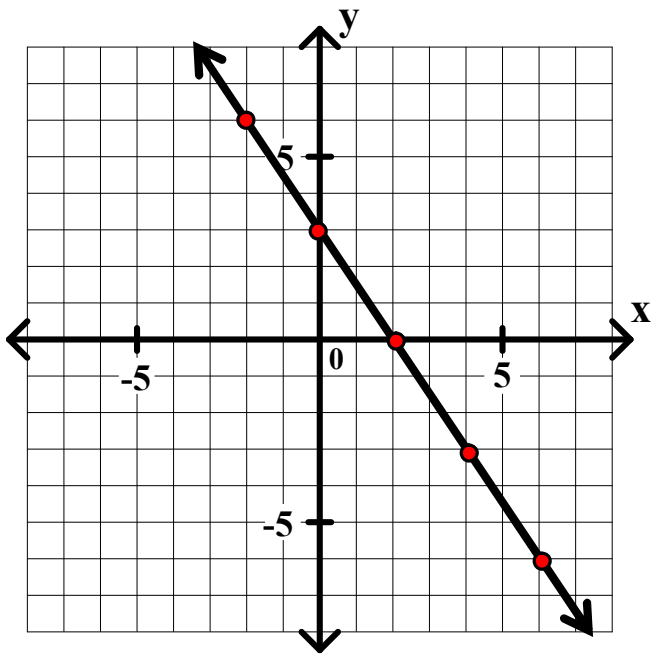

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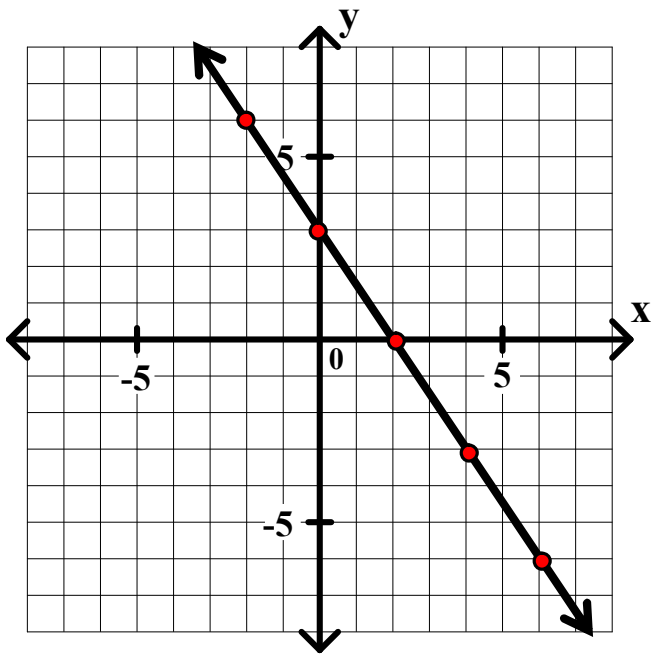

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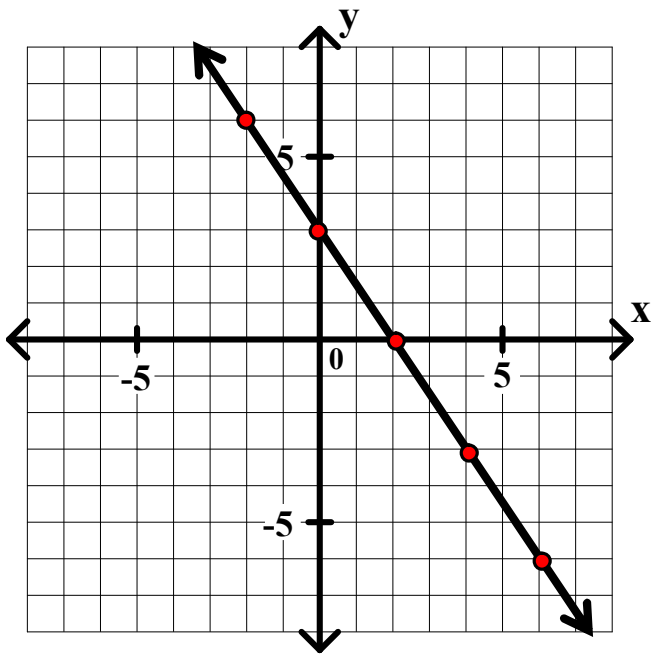

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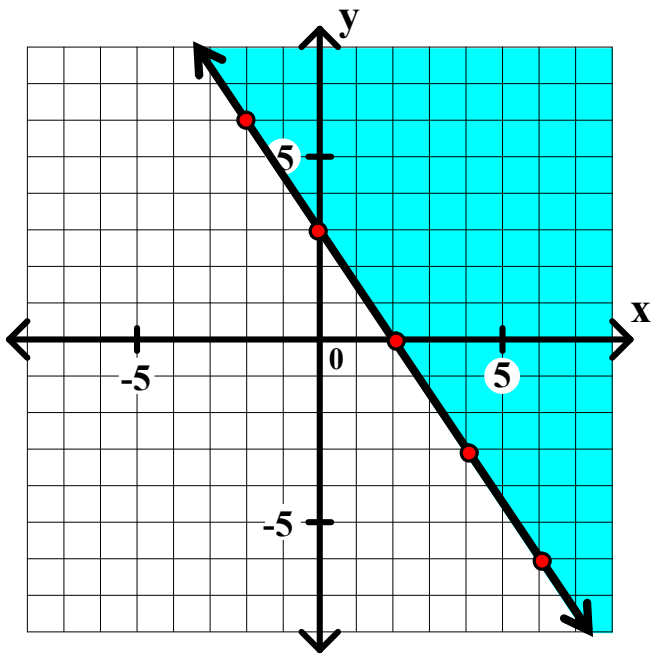

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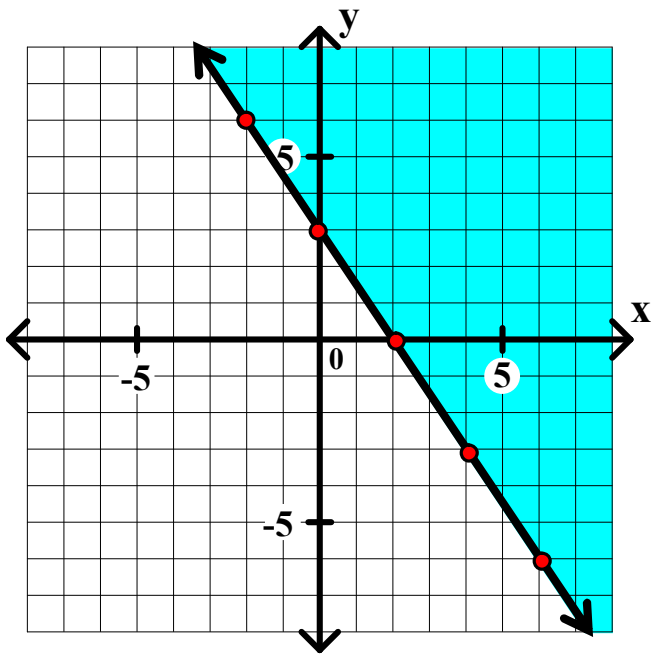

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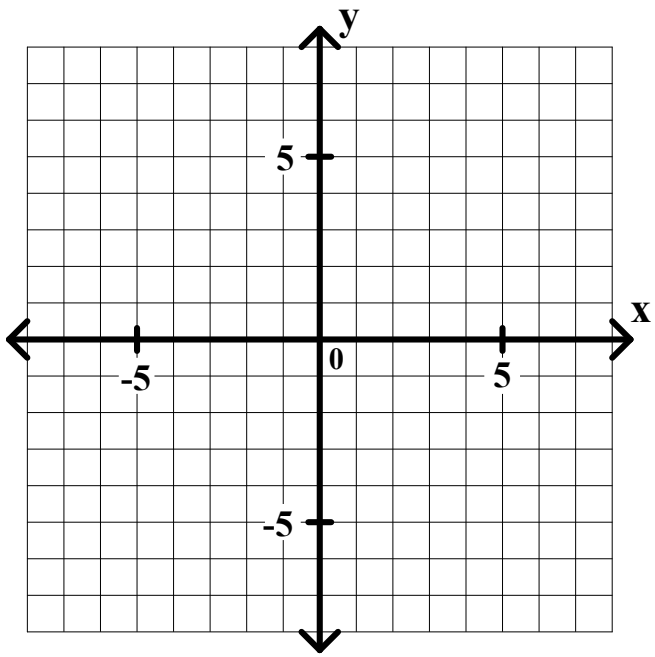

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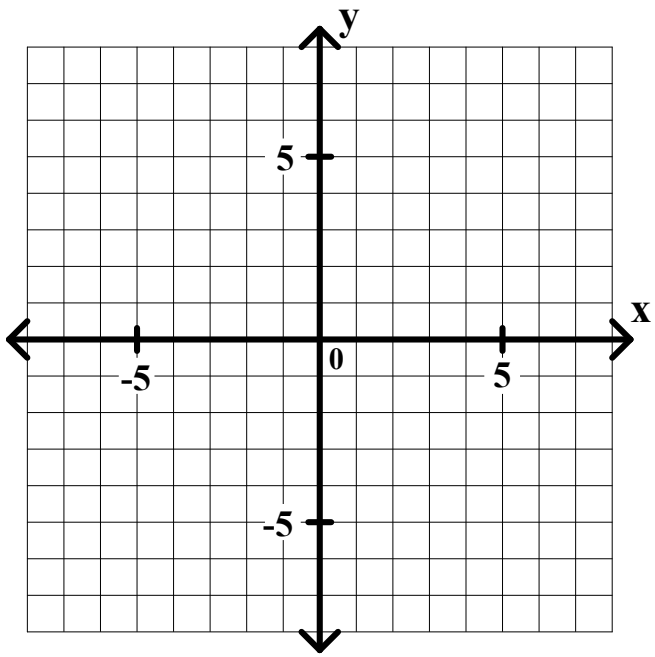

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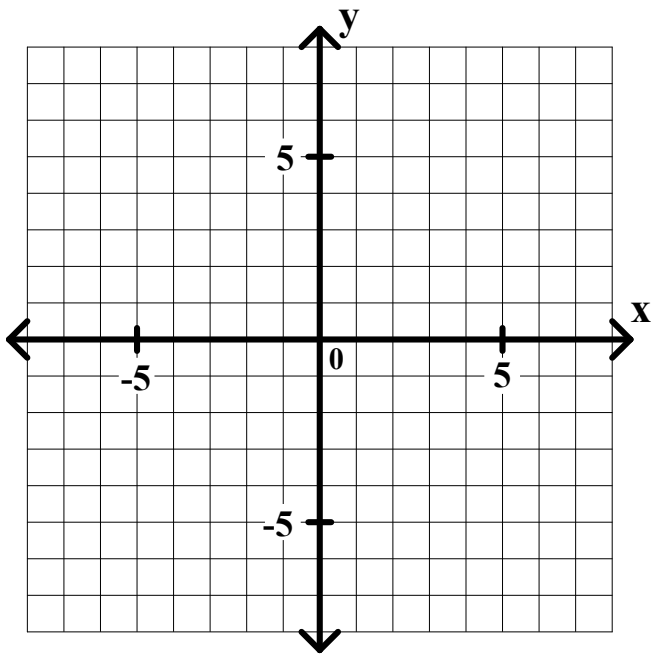

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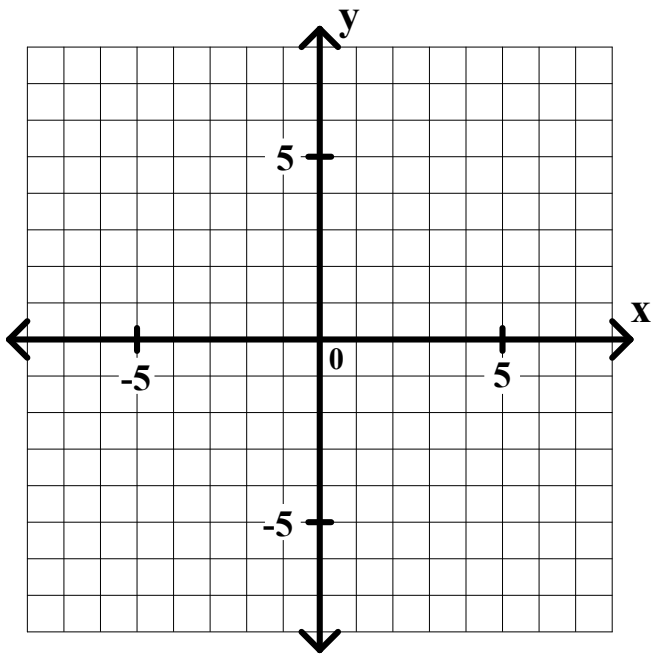

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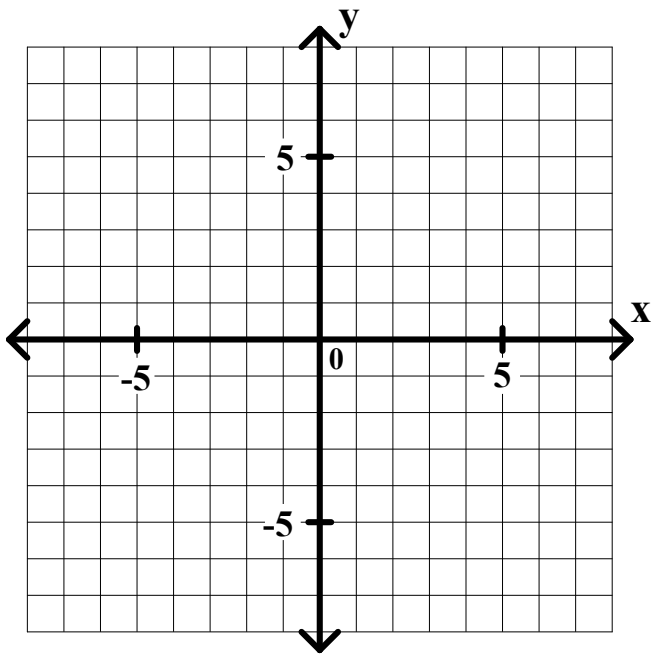

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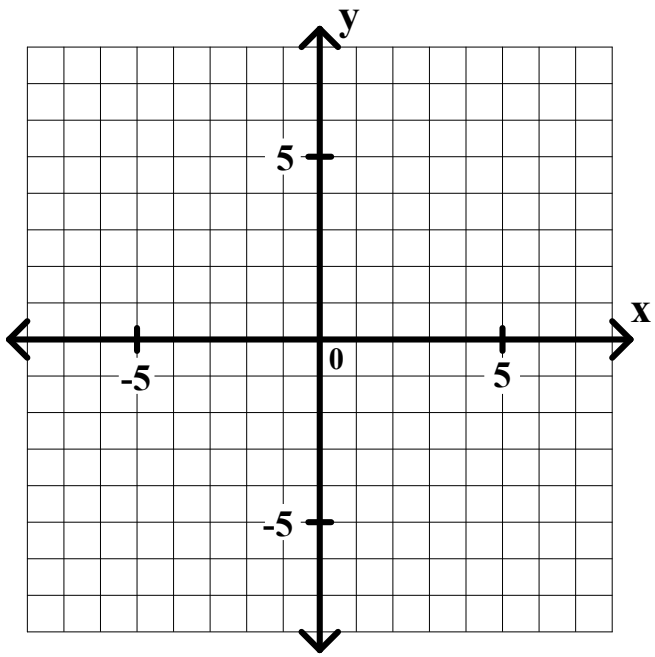

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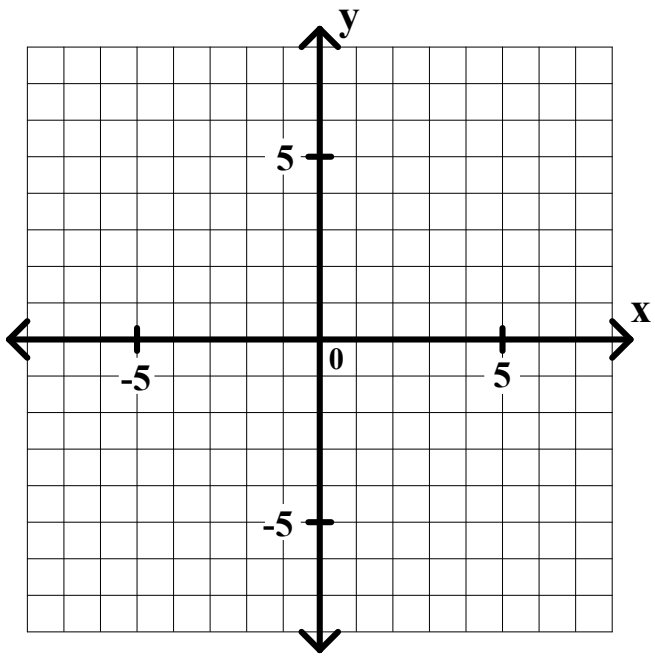

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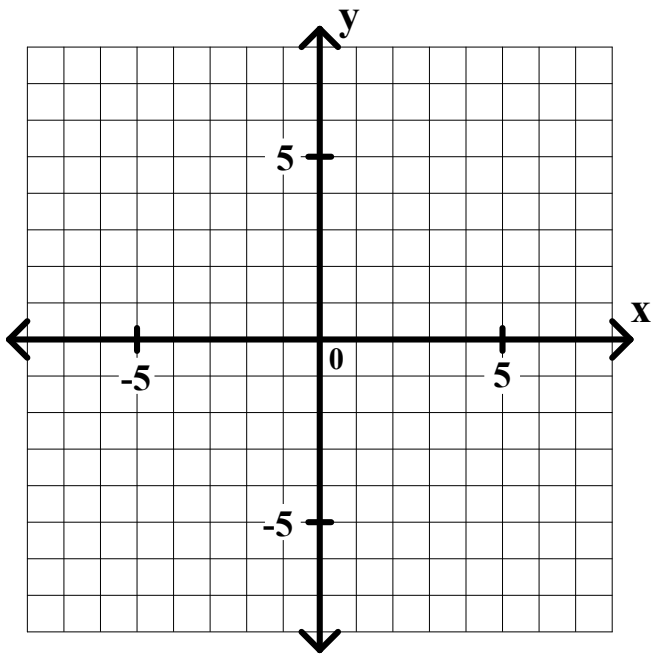

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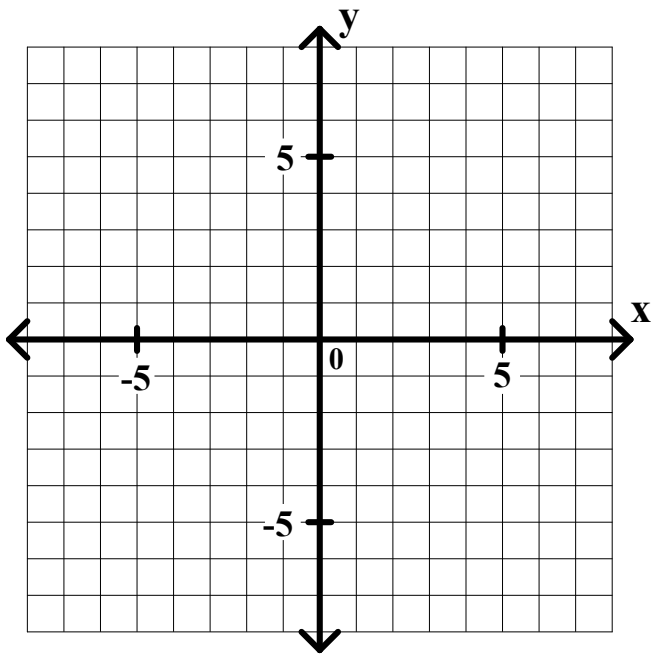

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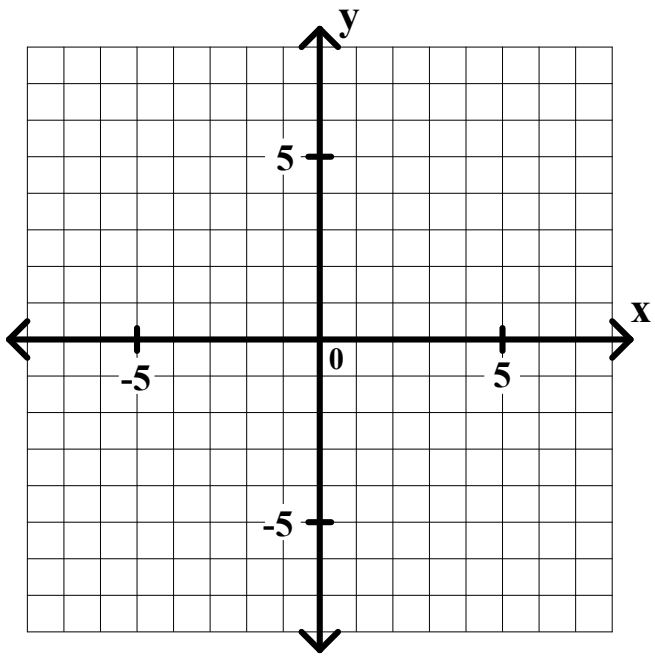

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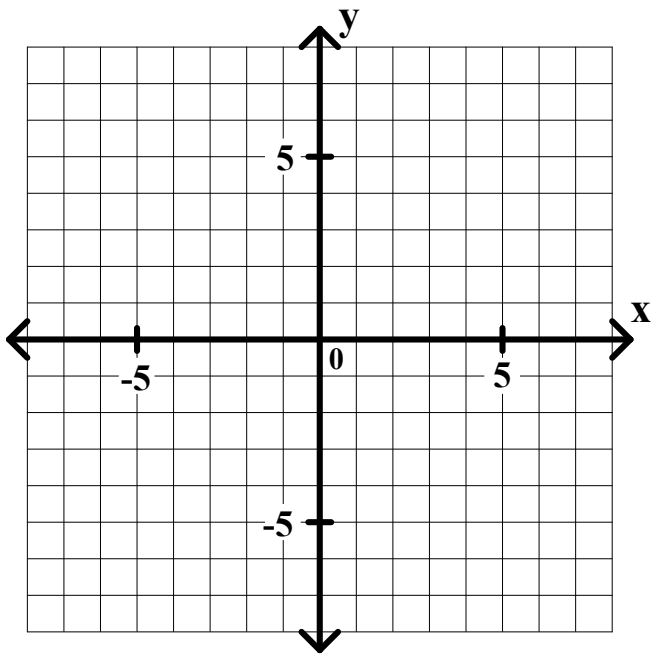

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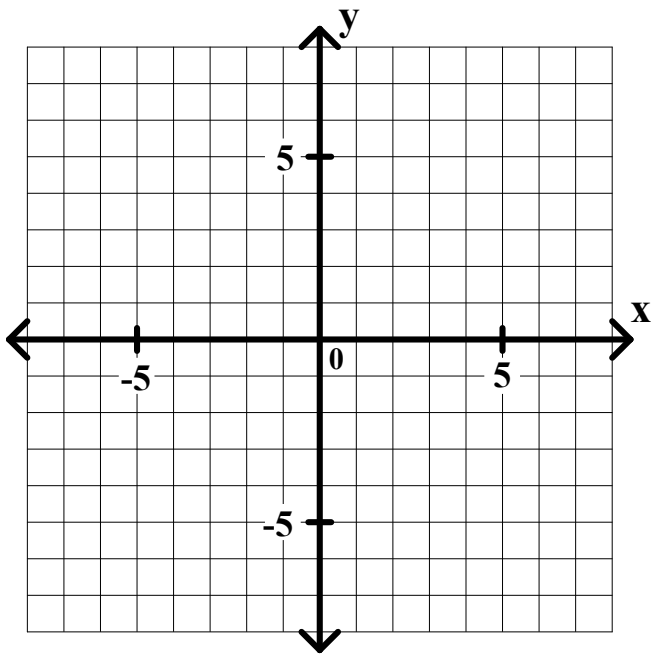

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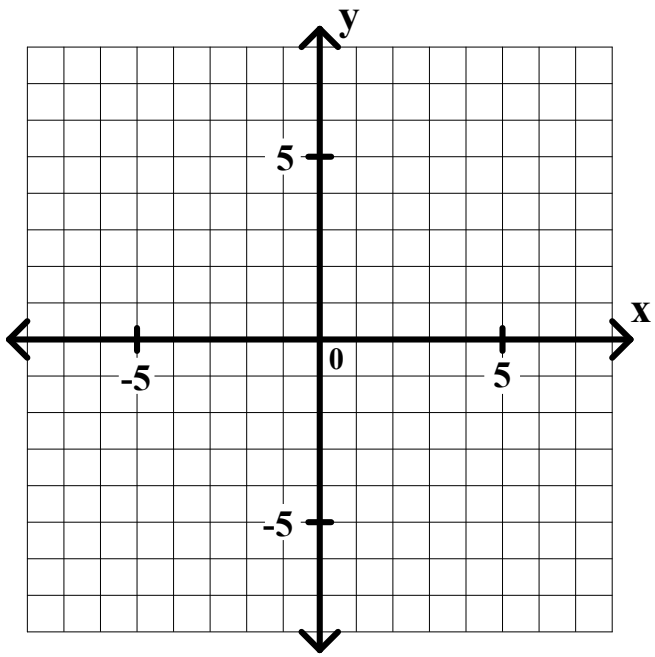

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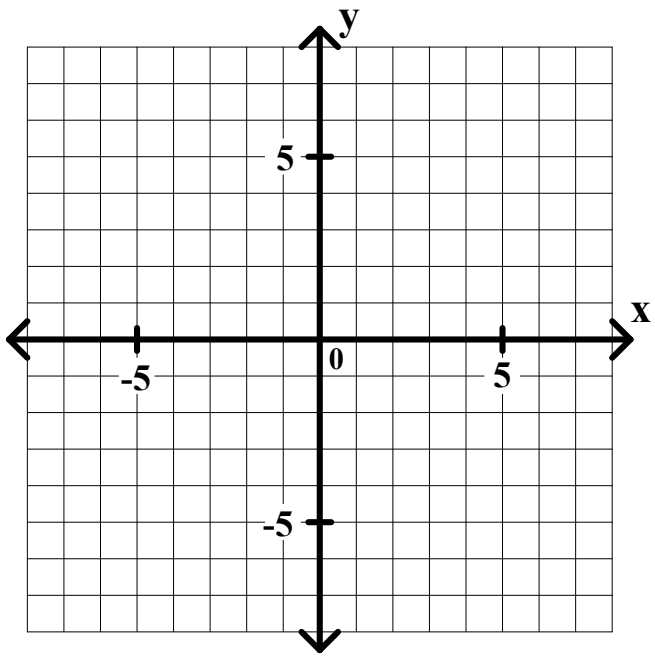

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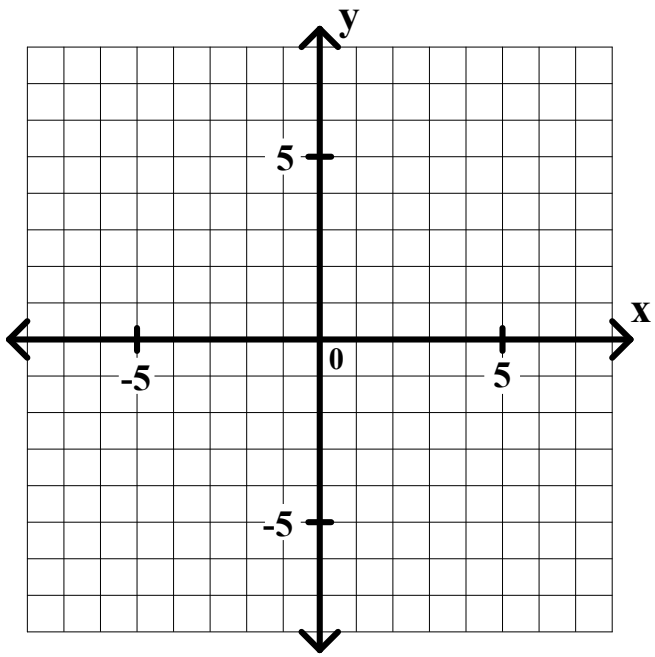

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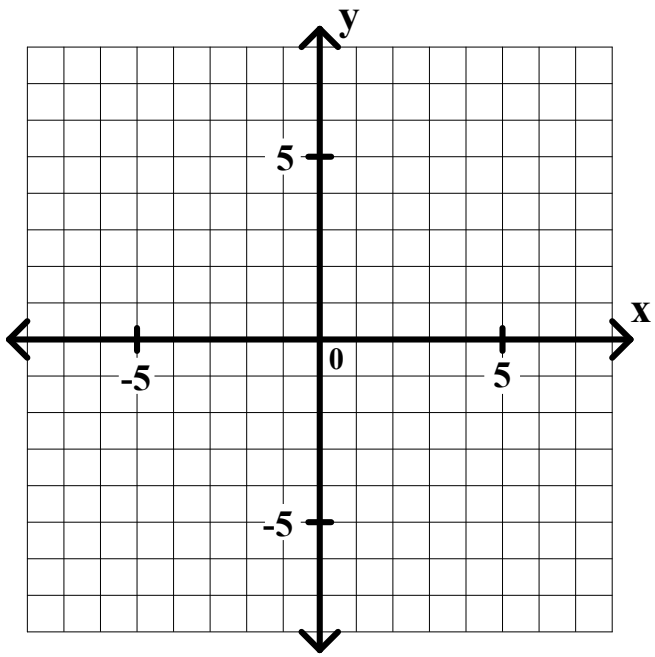

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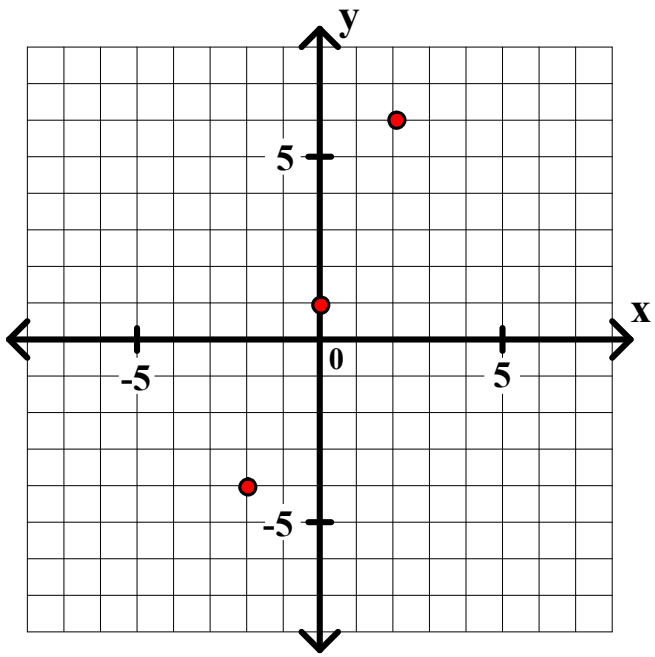

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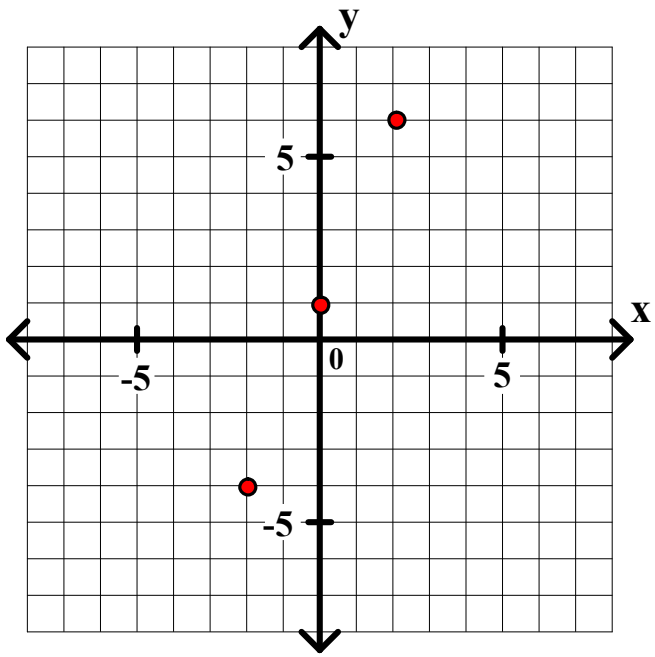

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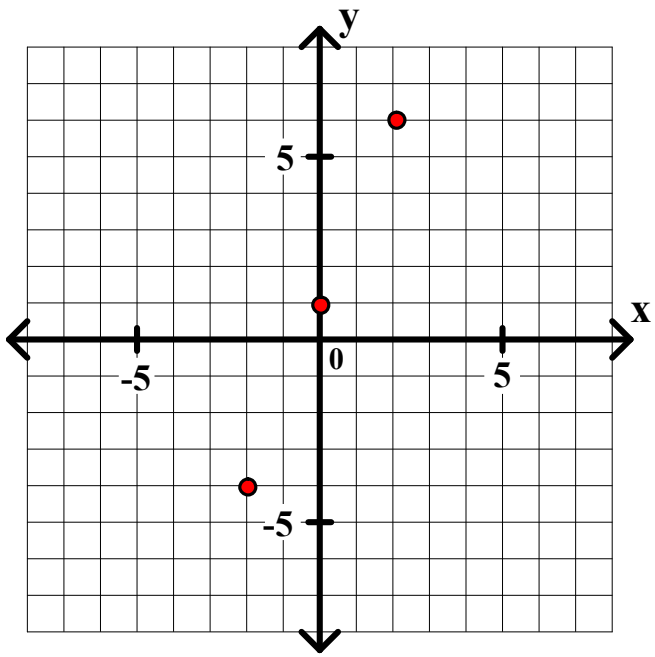

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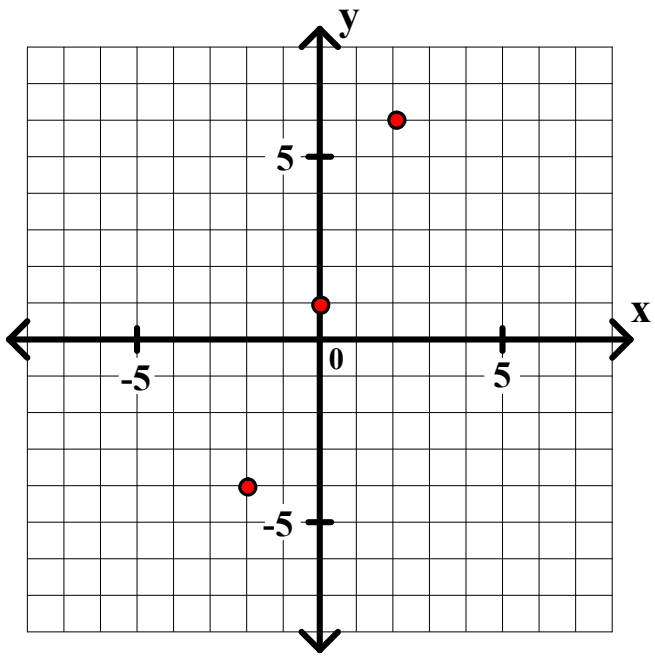

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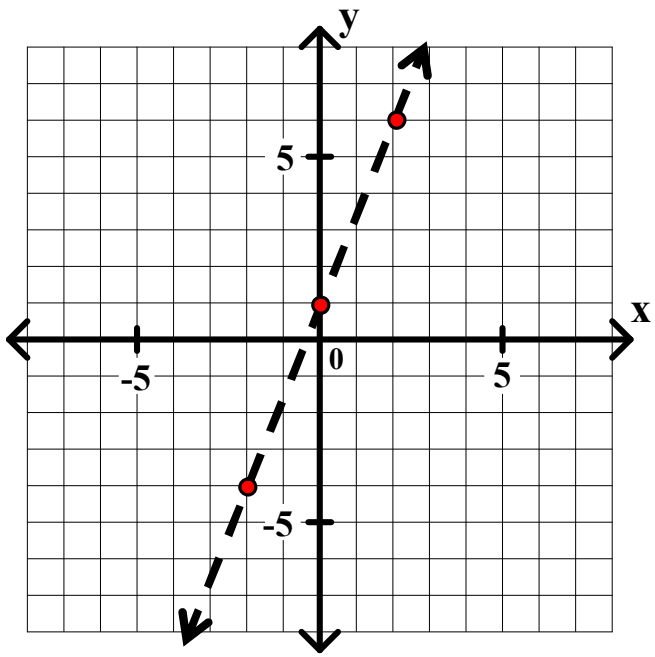

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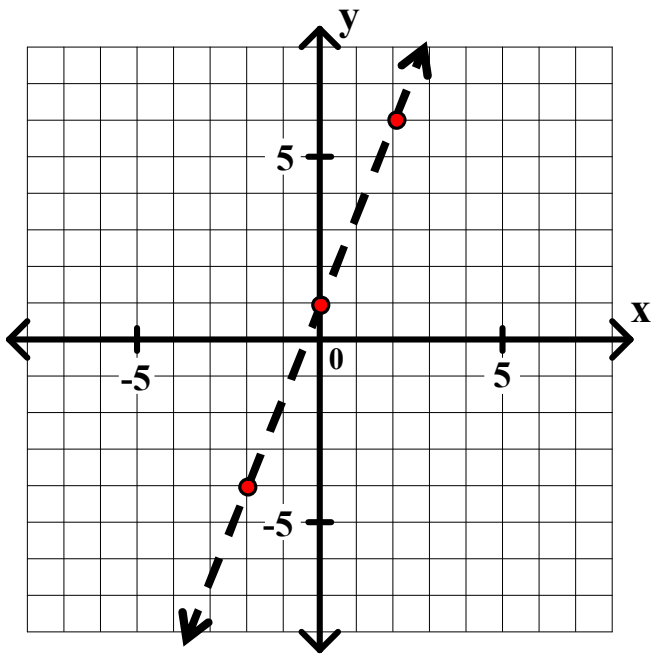

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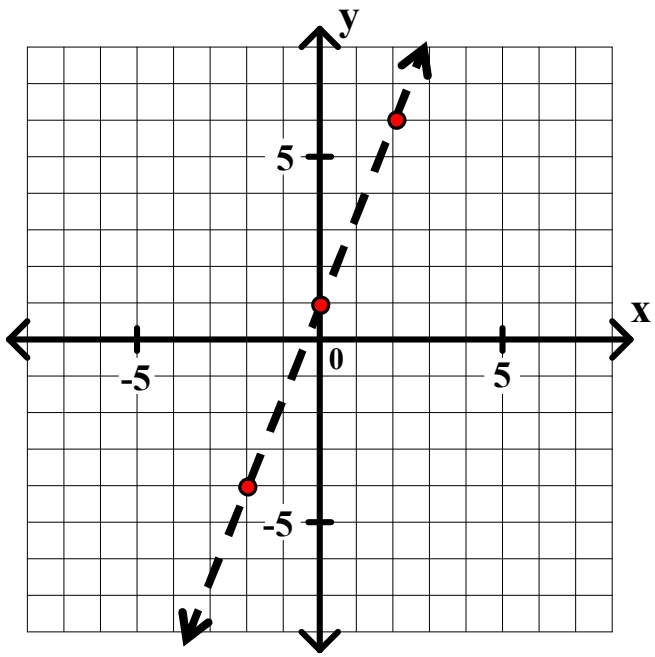

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Algebra I Class Worksheet #4 Unit 7

Graph each of the following.

4. $5x - 2y < -2$

$-2y < -5x - 2$

$y > \frac{5}{2}x + 1$

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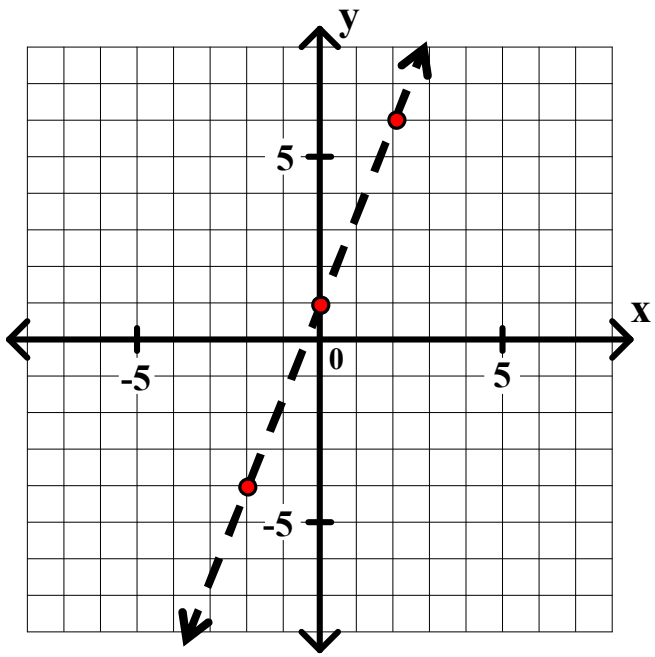

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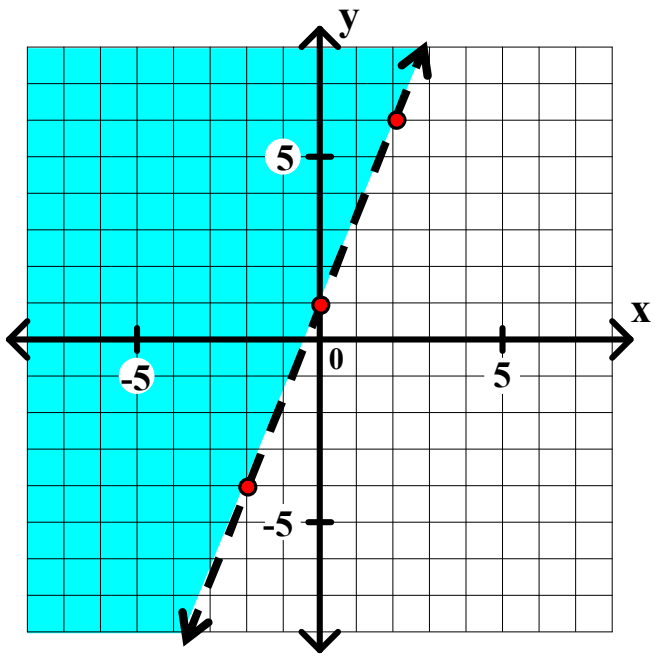

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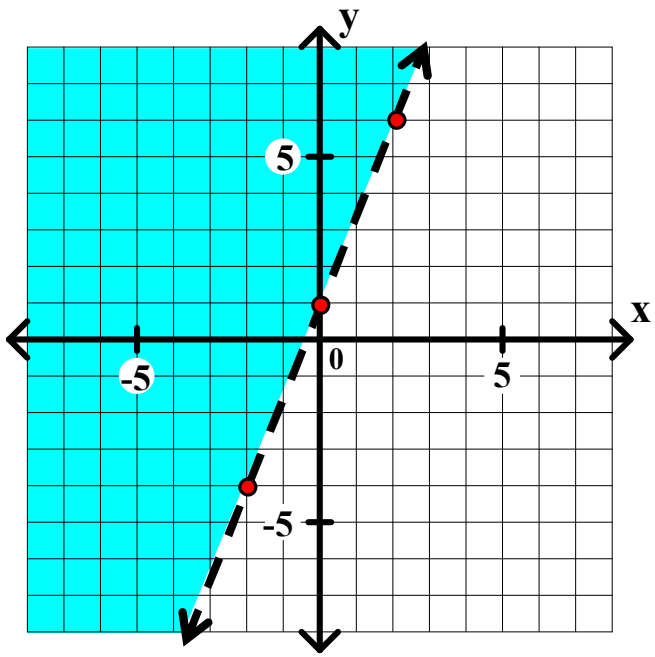

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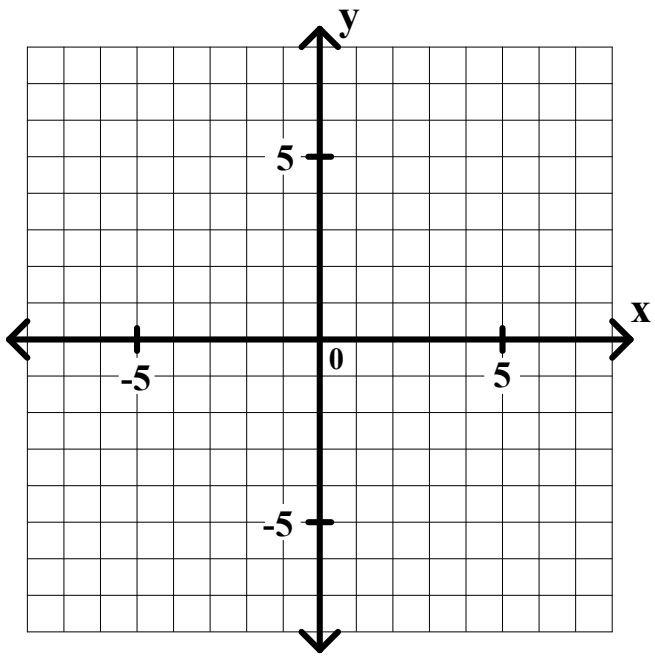

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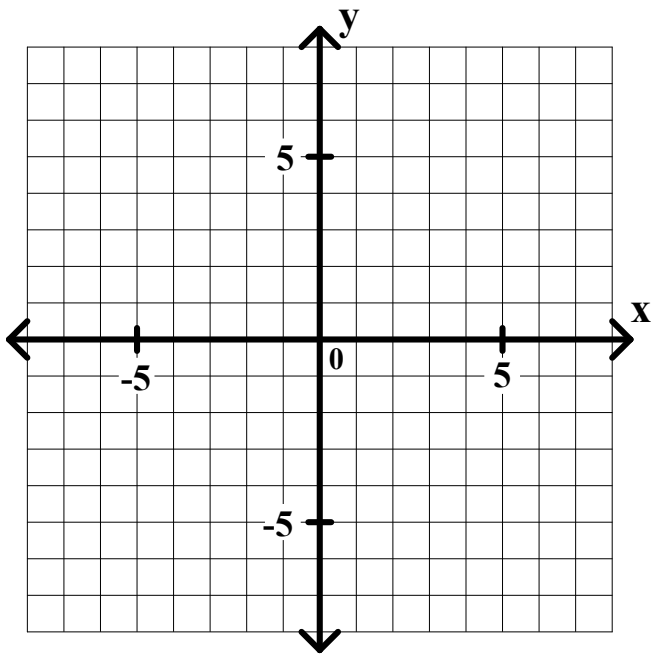

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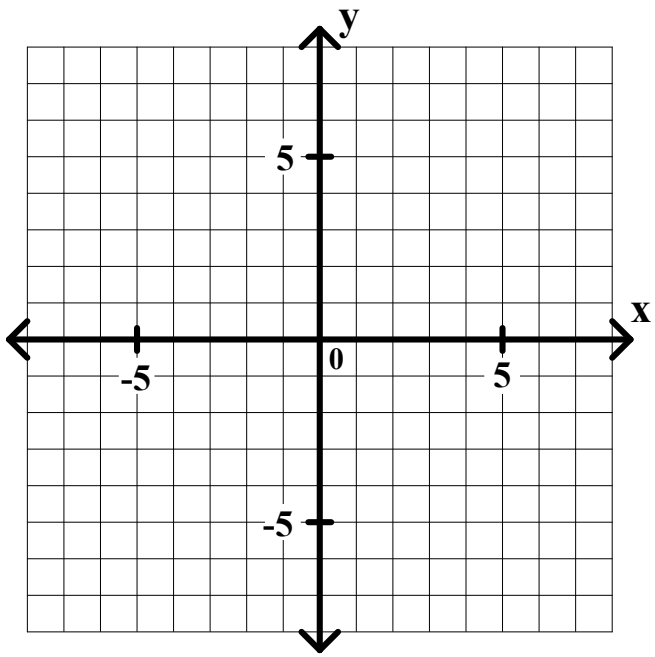

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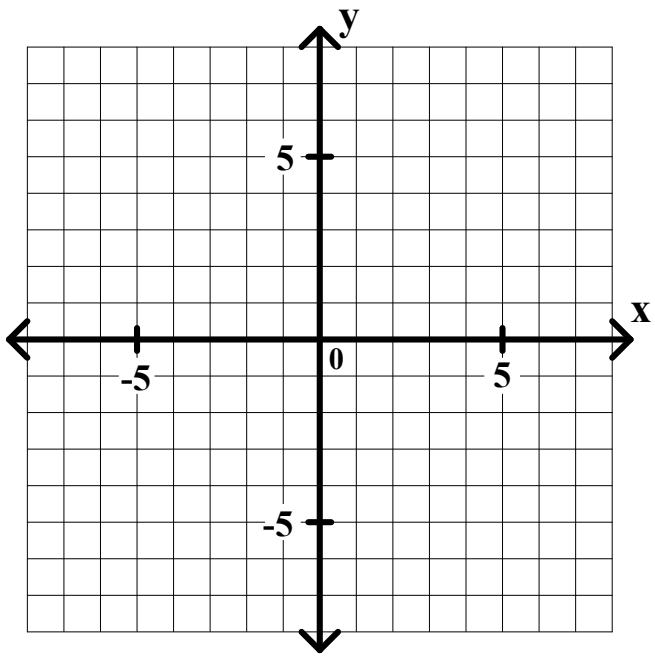

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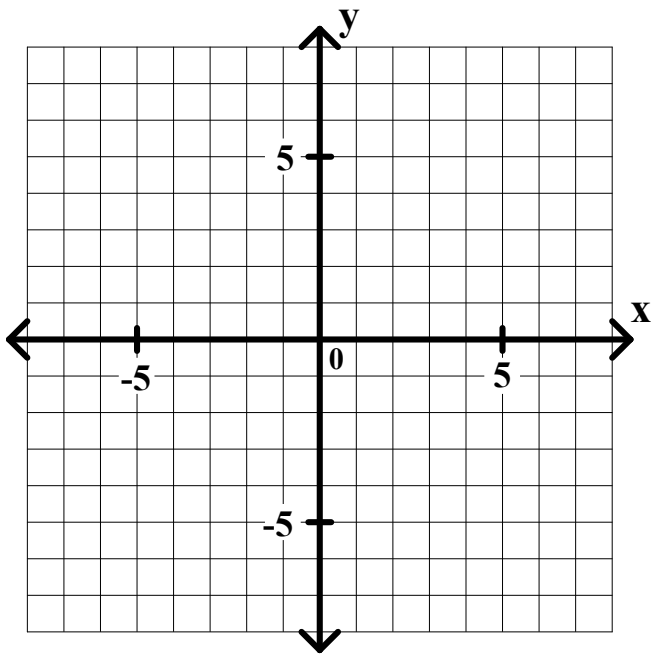

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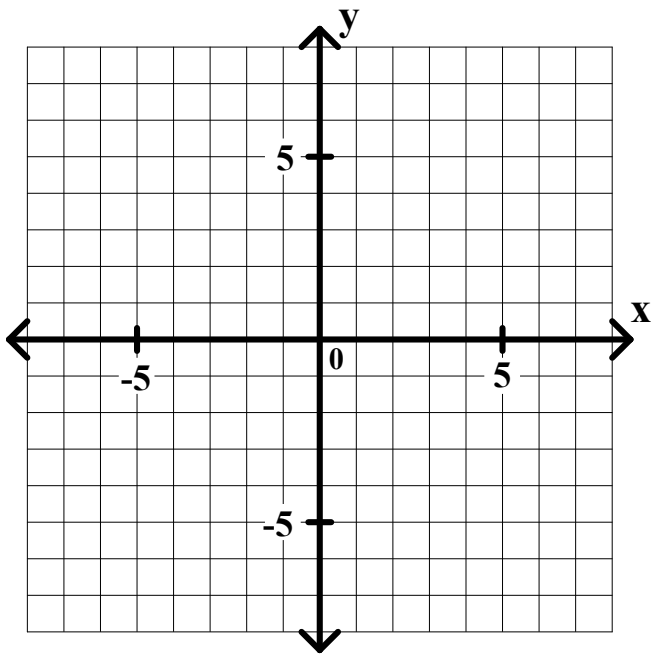

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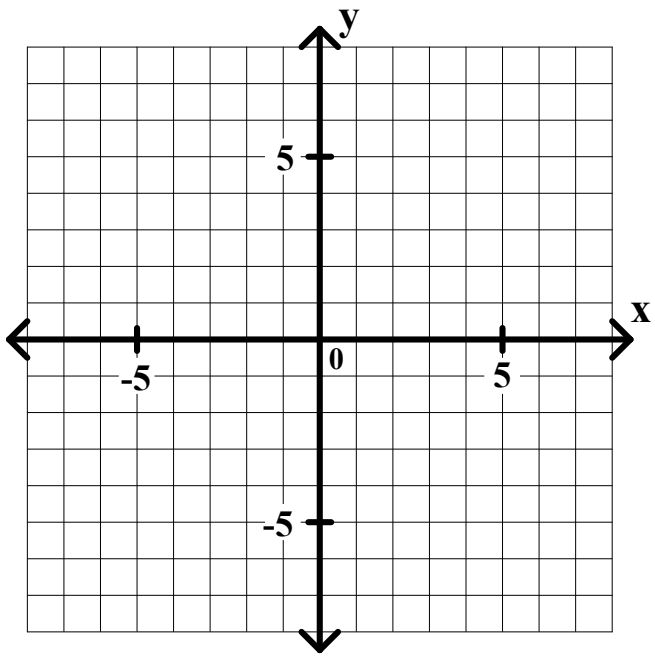

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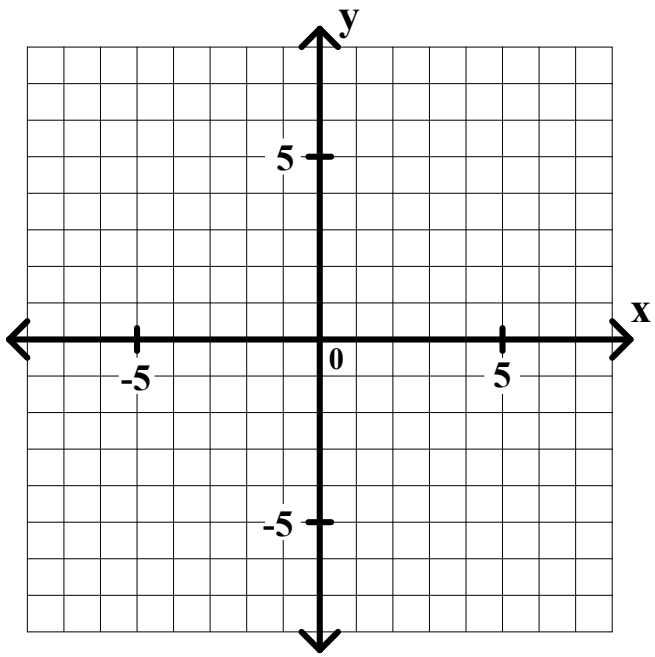

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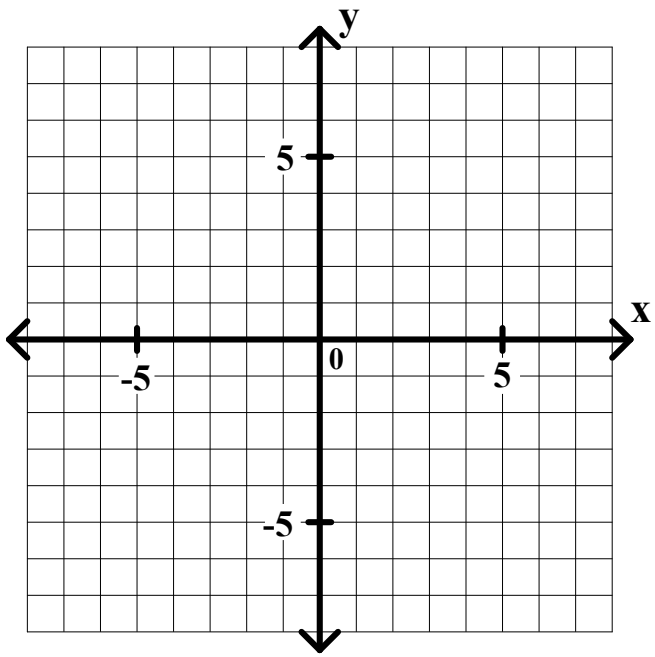

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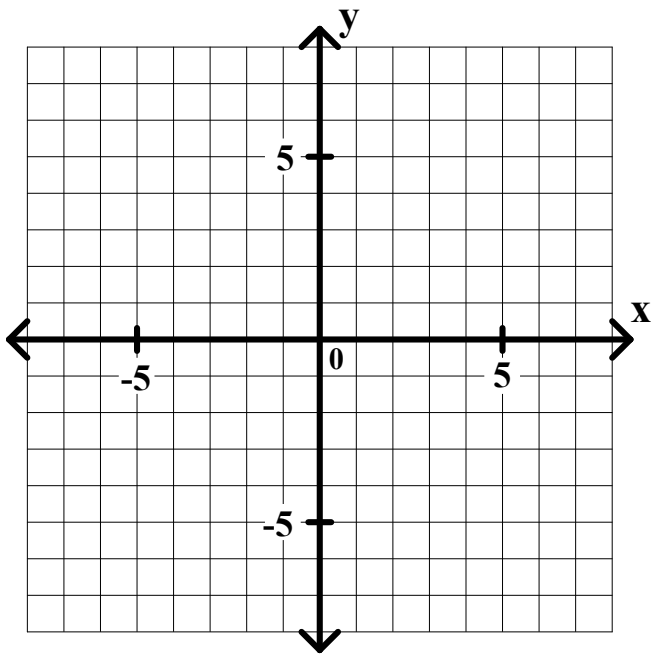

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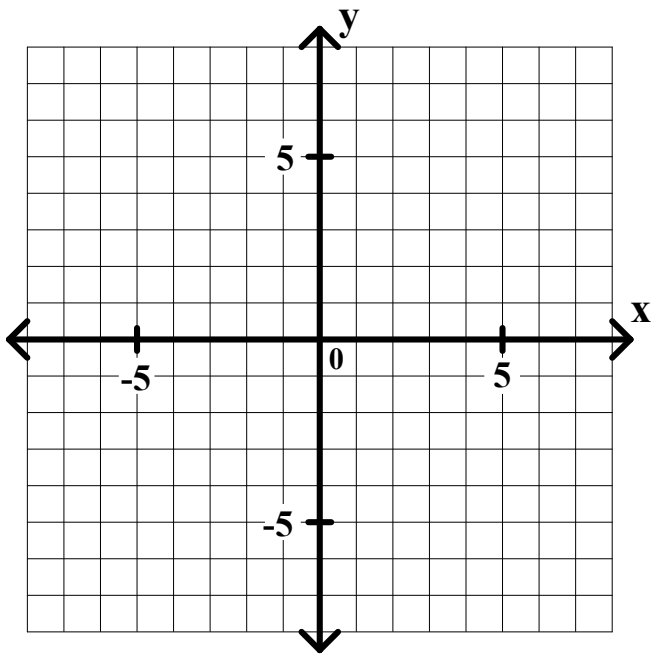

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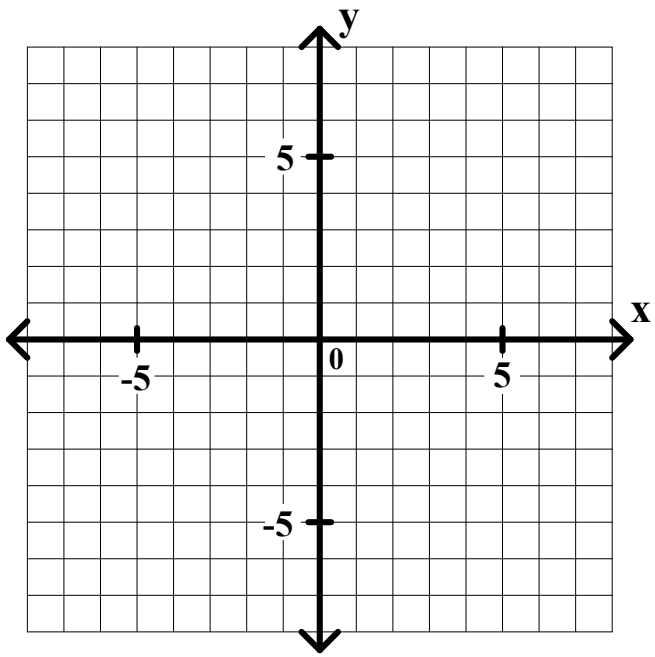

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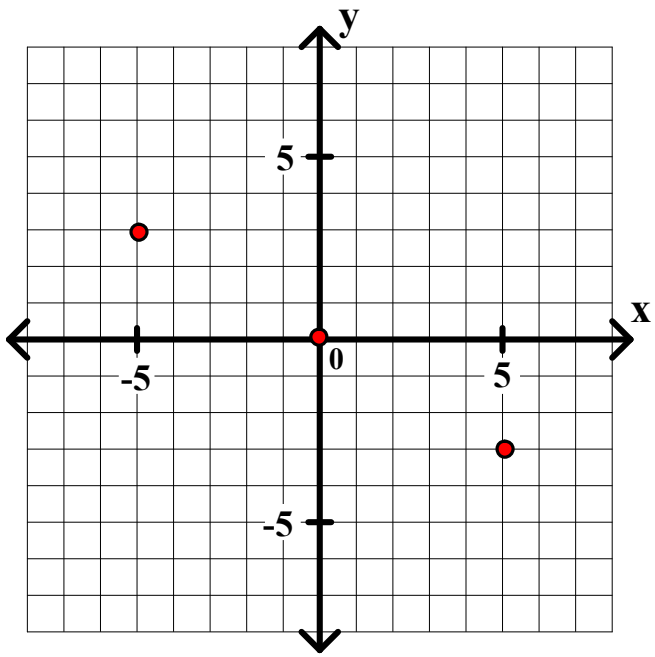

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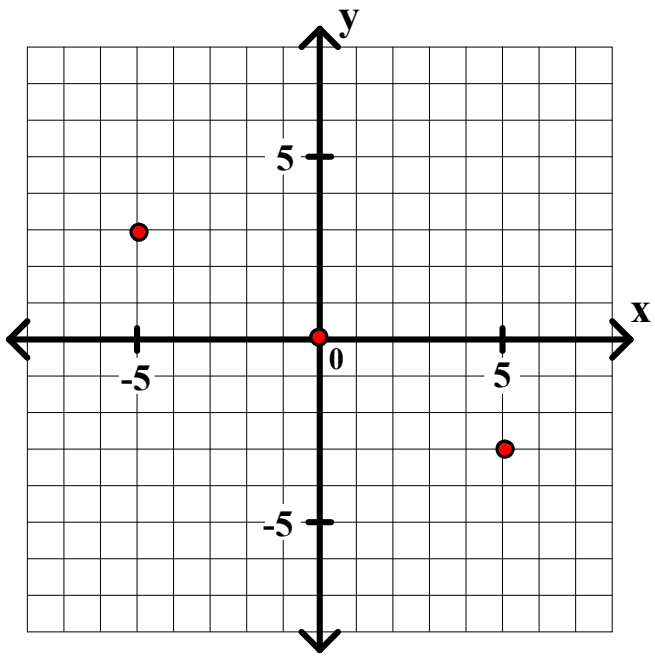

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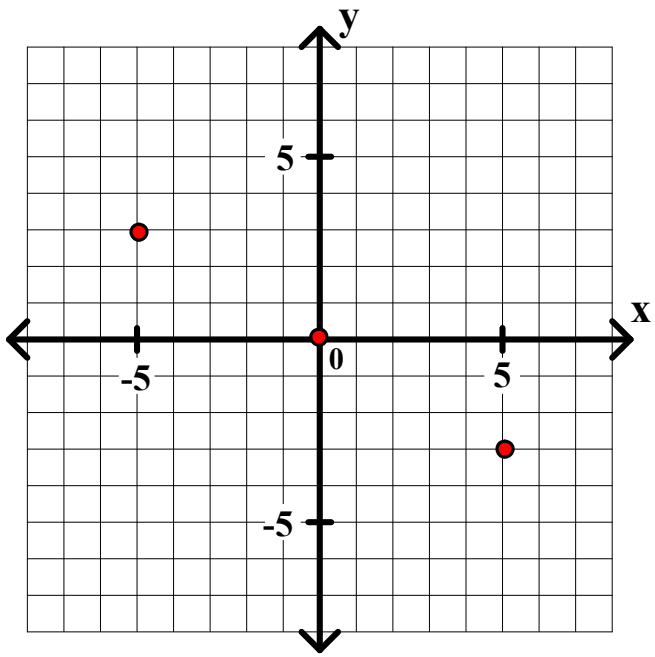

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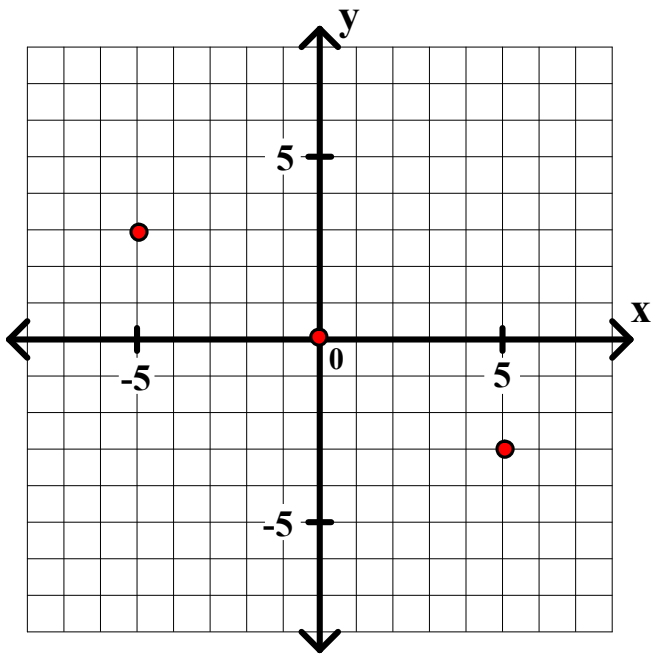

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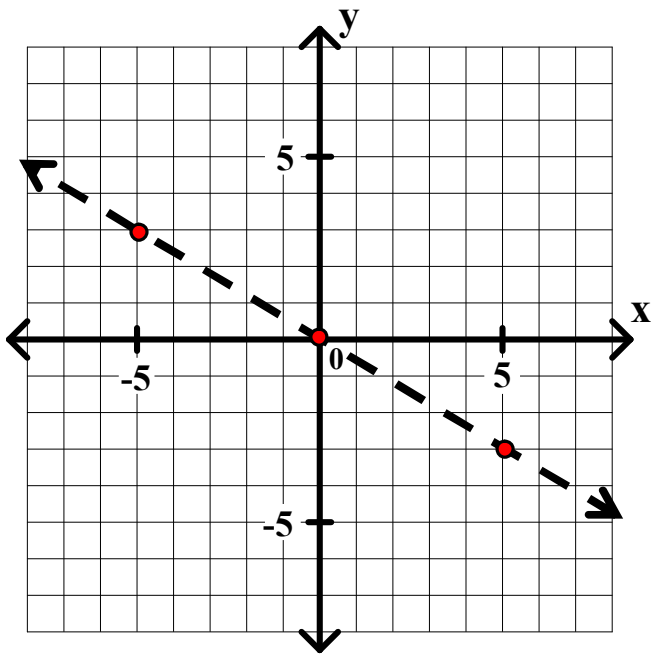

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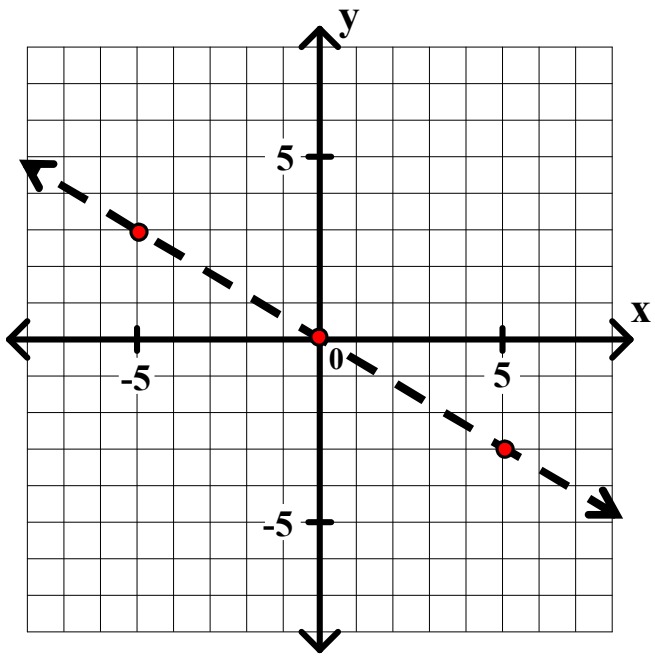

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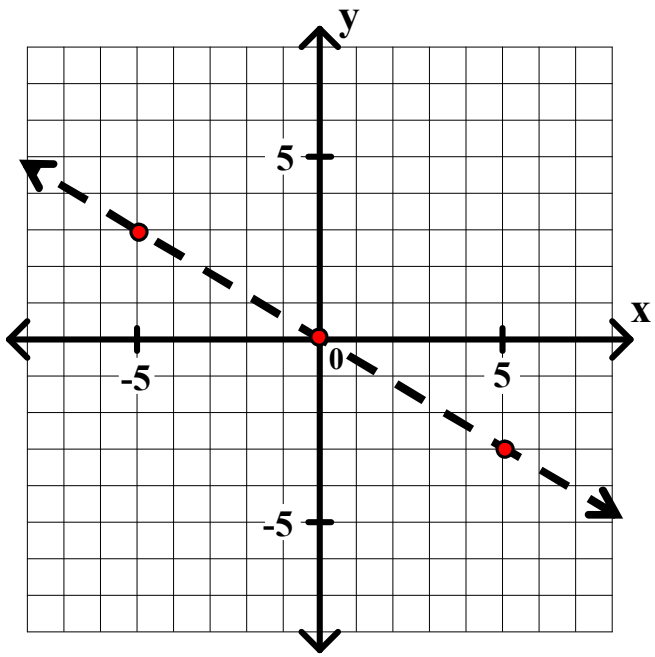

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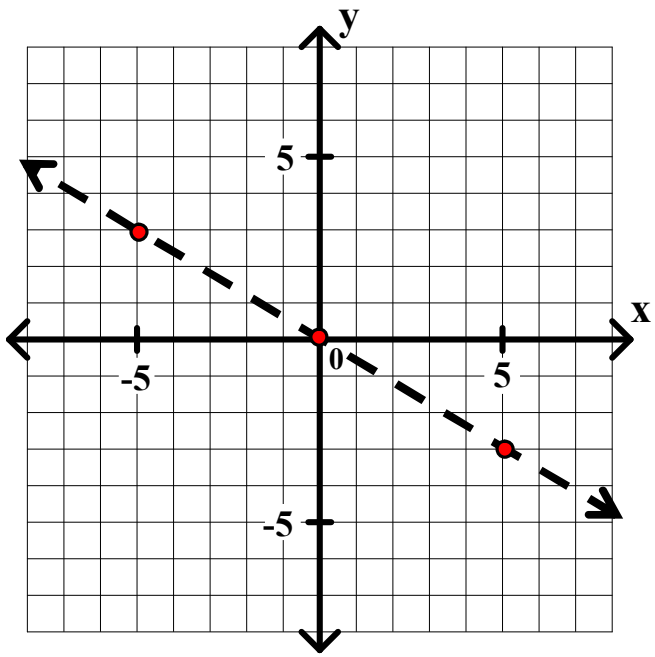

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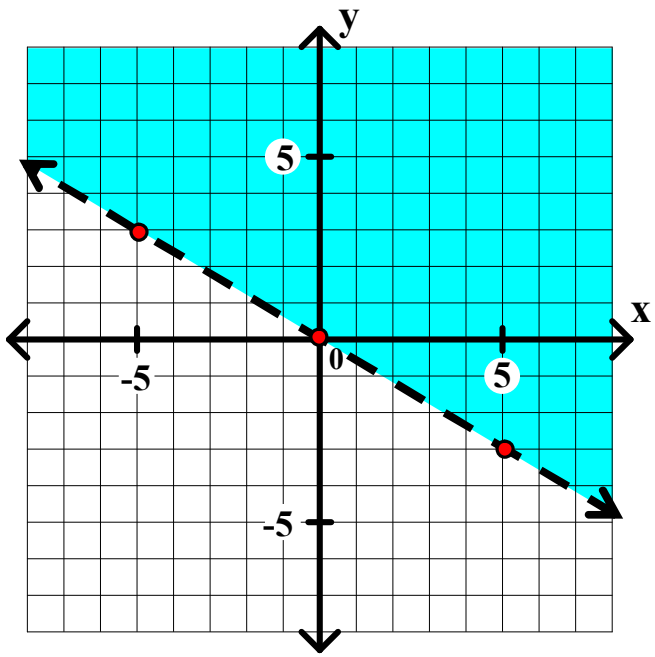

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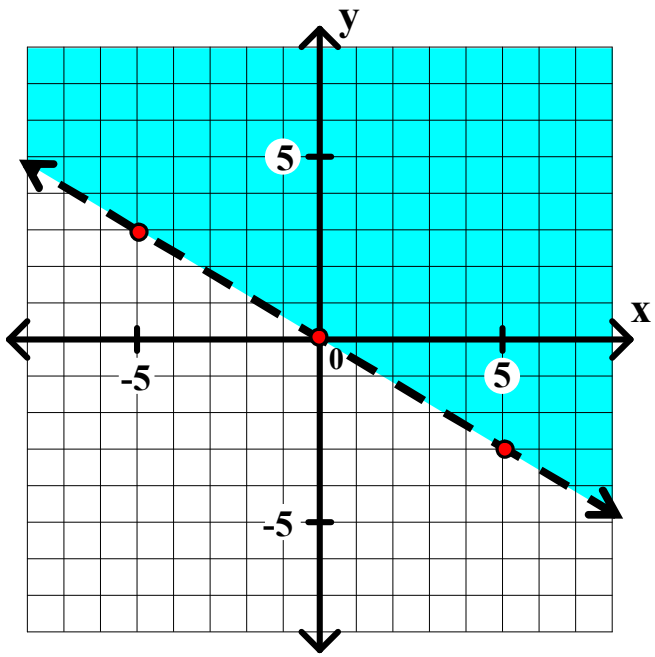

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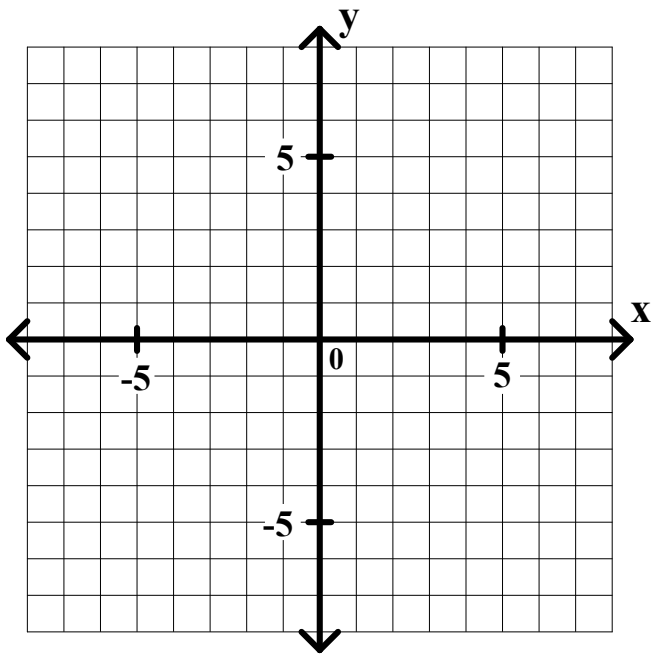

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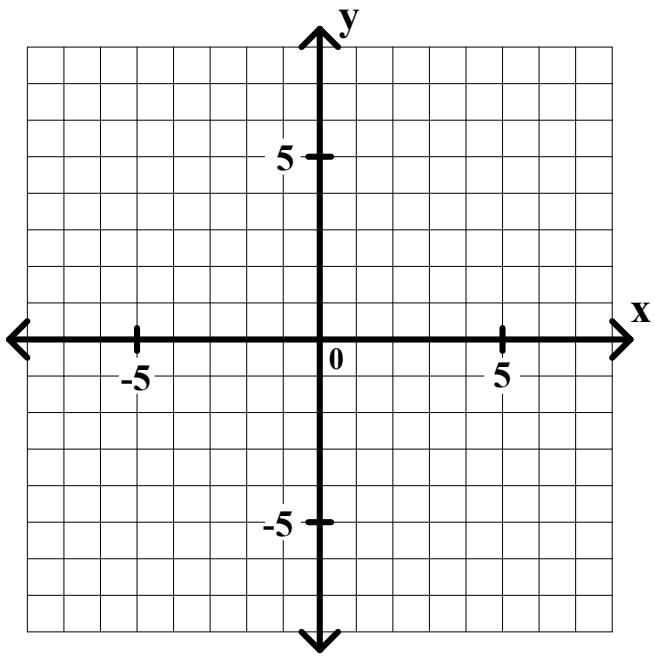

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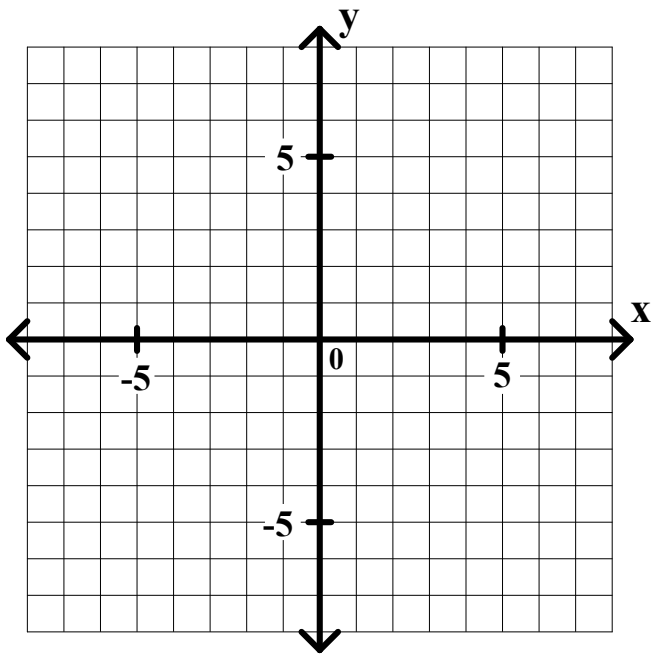

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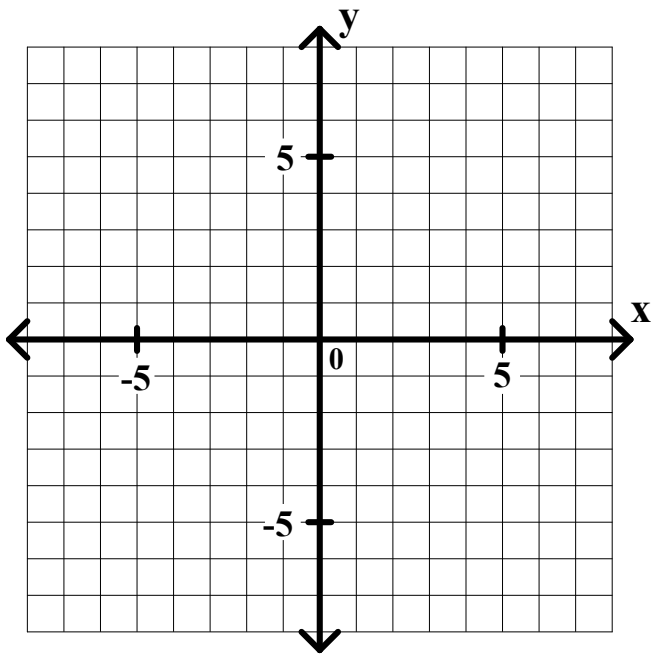

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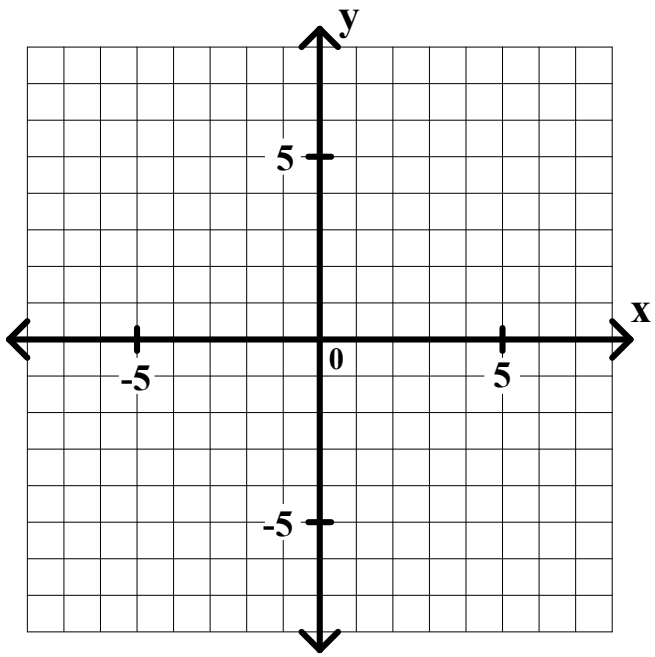

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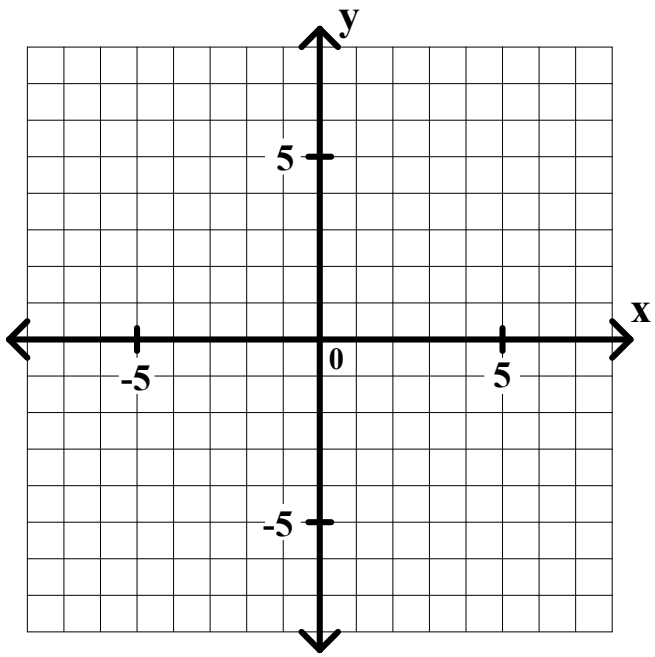

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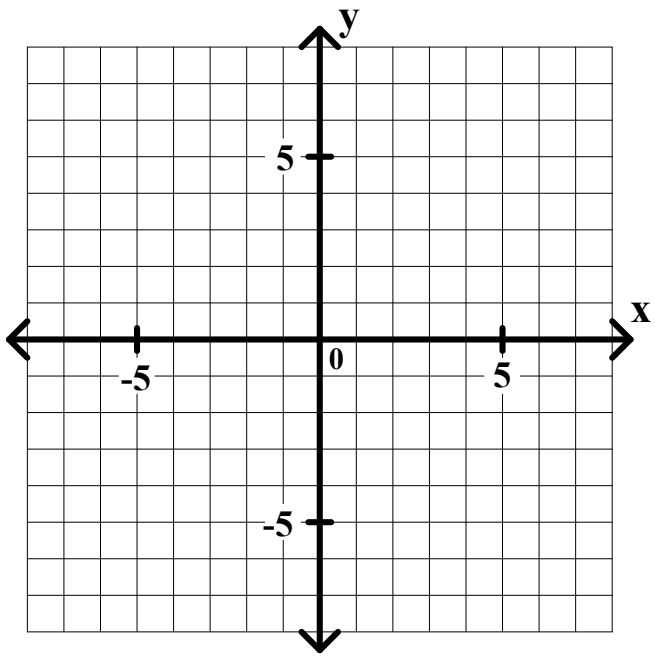

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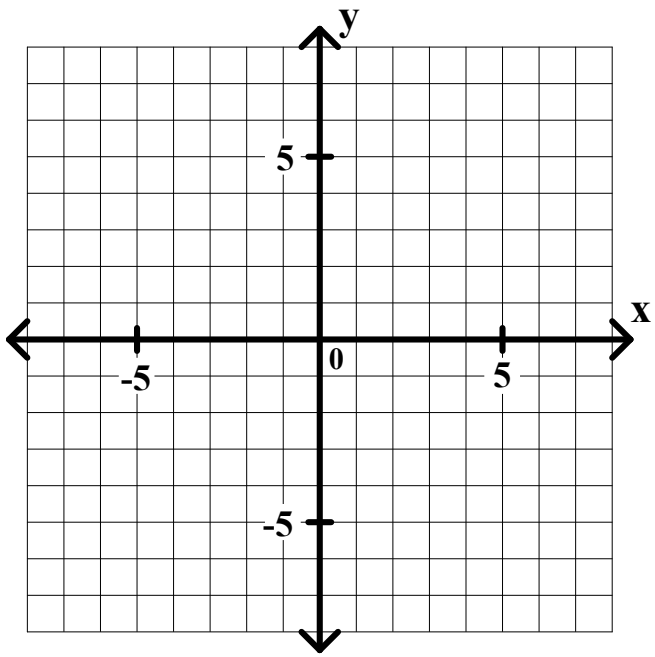

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Algebra I Class Worksheet #4 Unit 7

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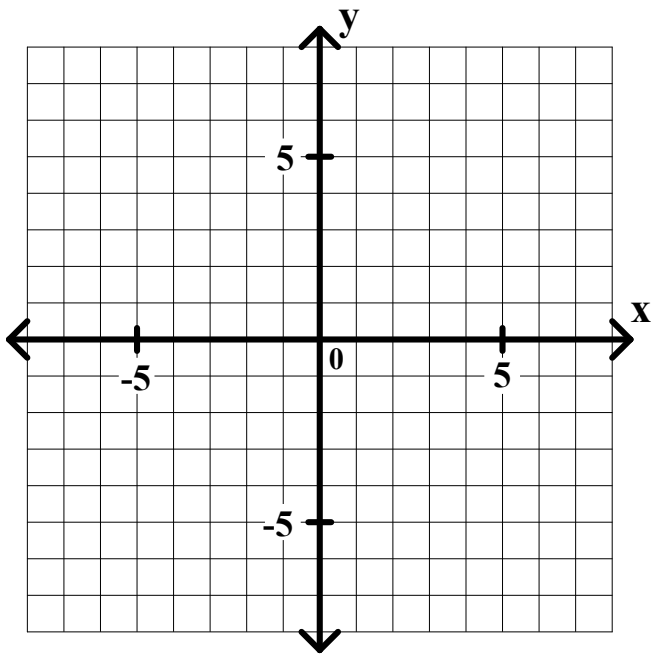

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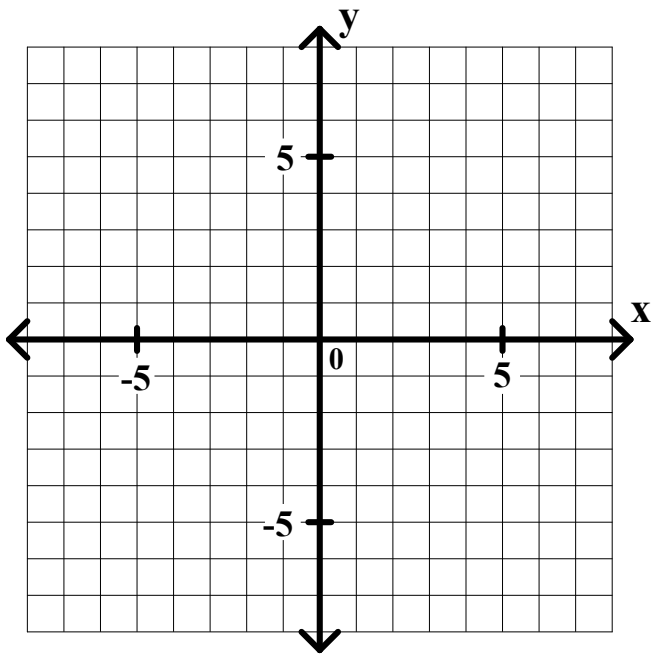

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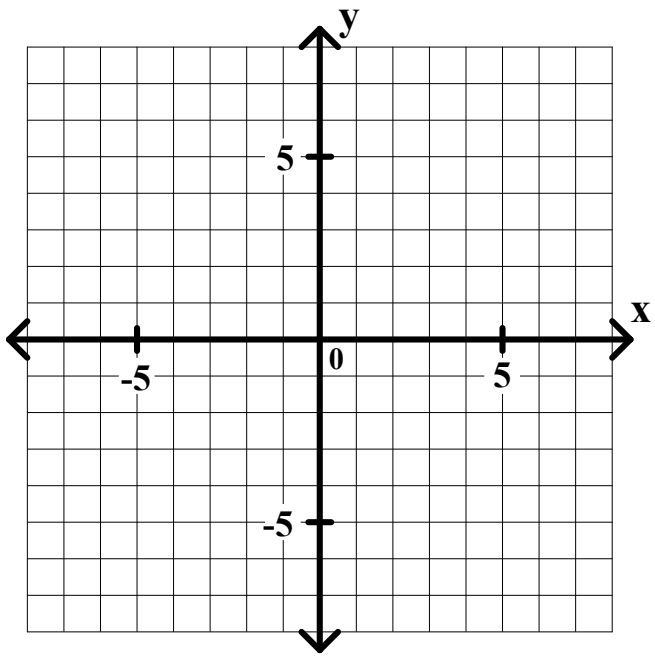

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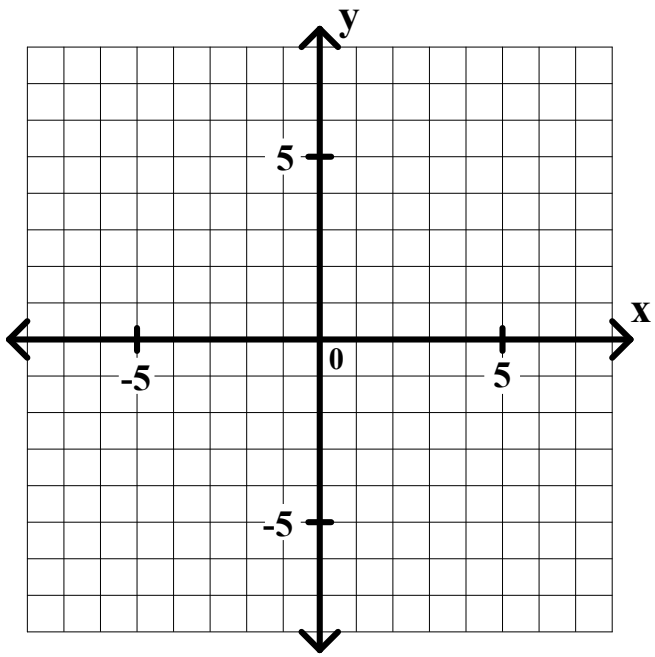

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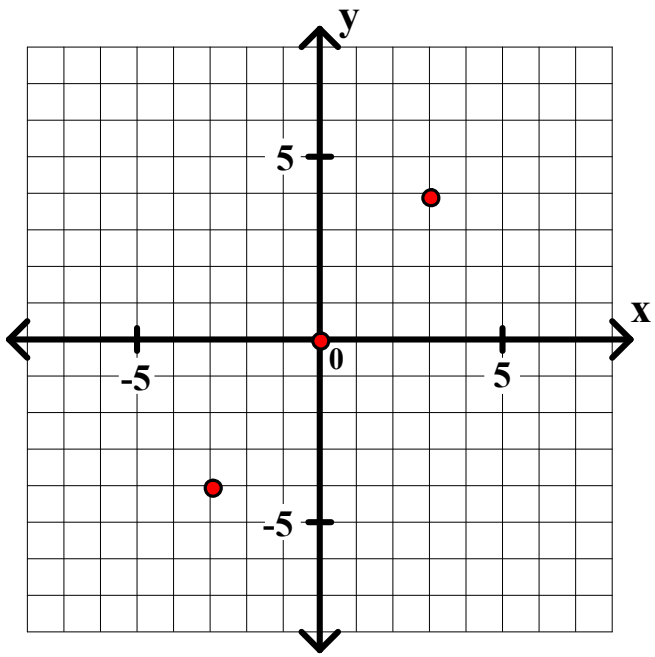

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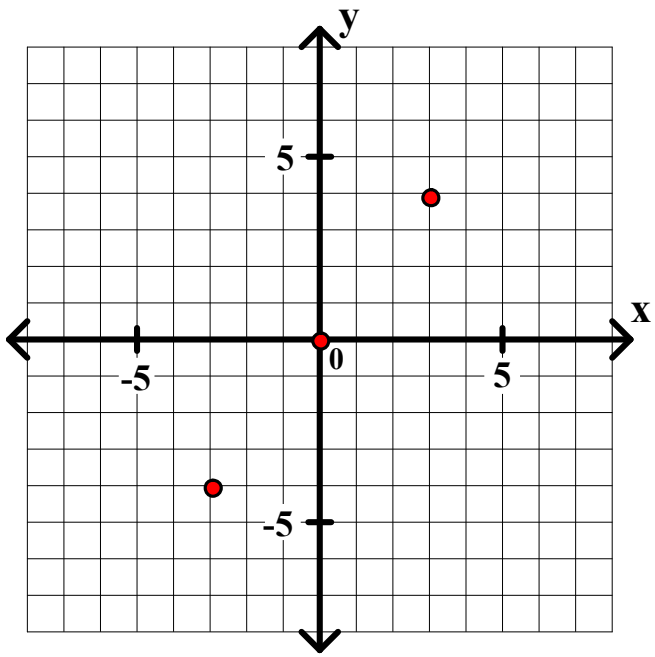

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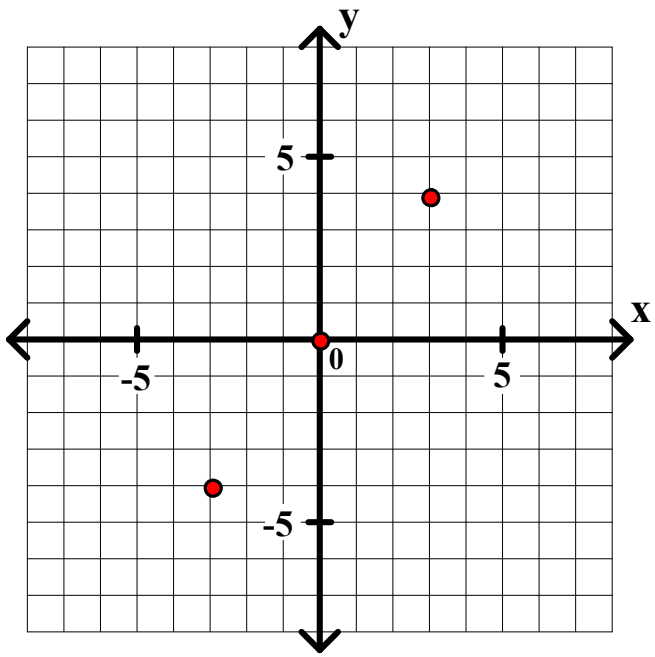

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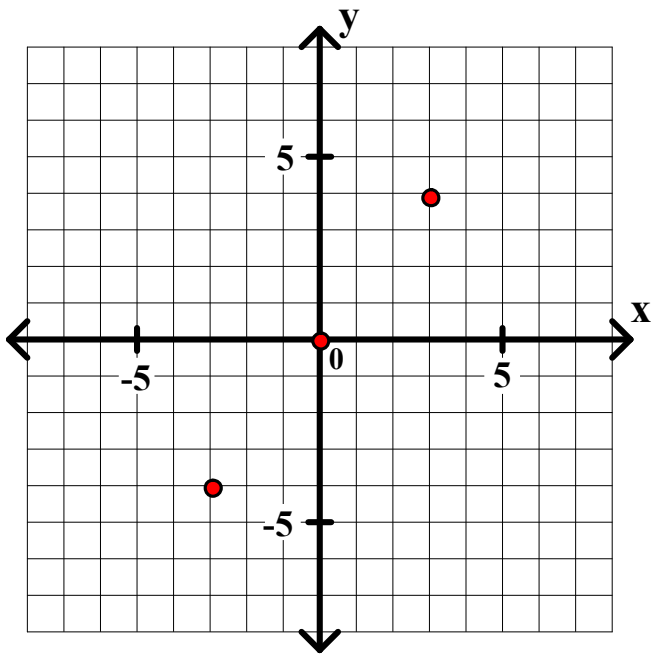

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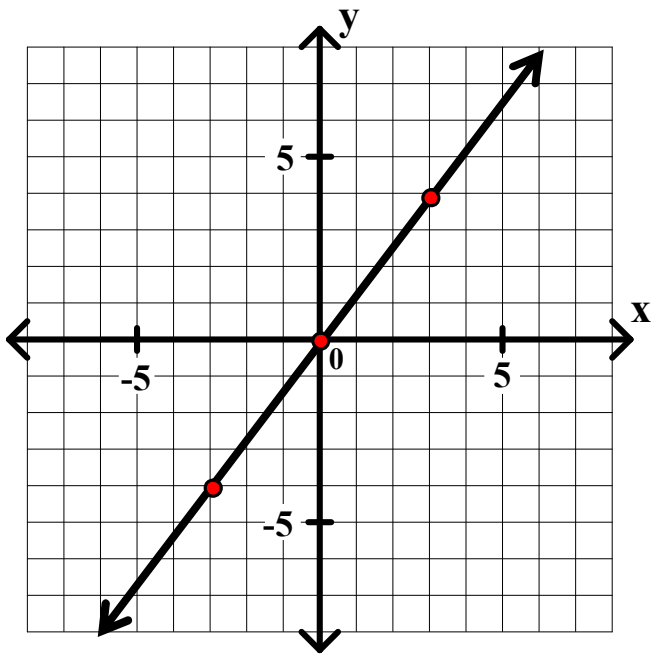

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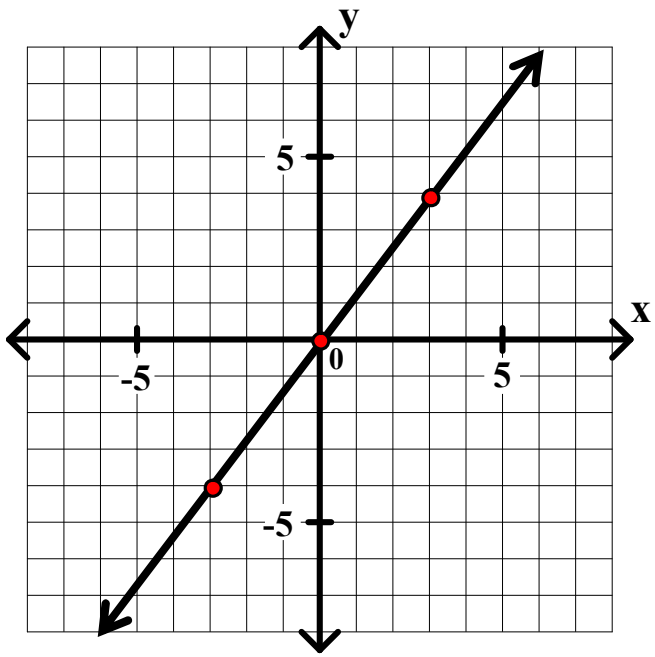

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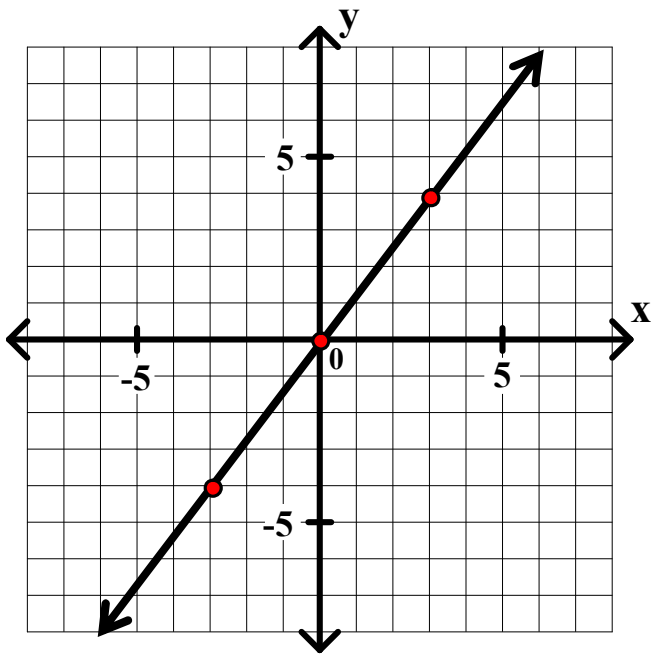

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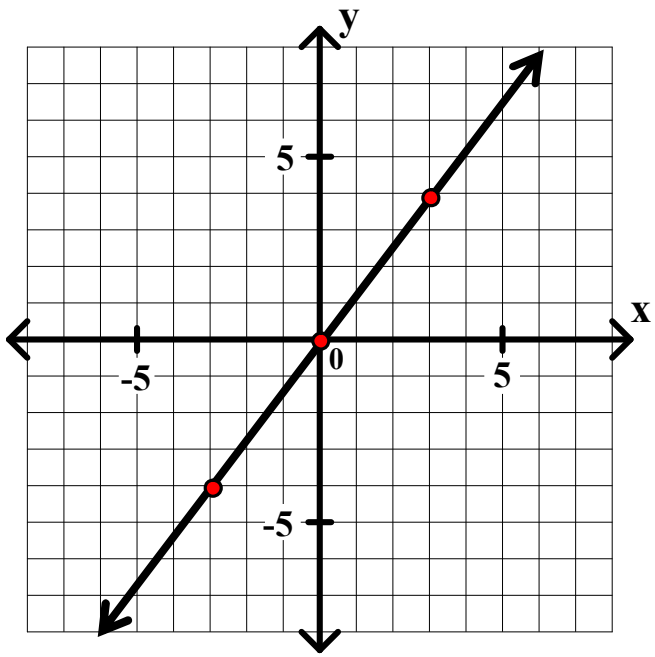

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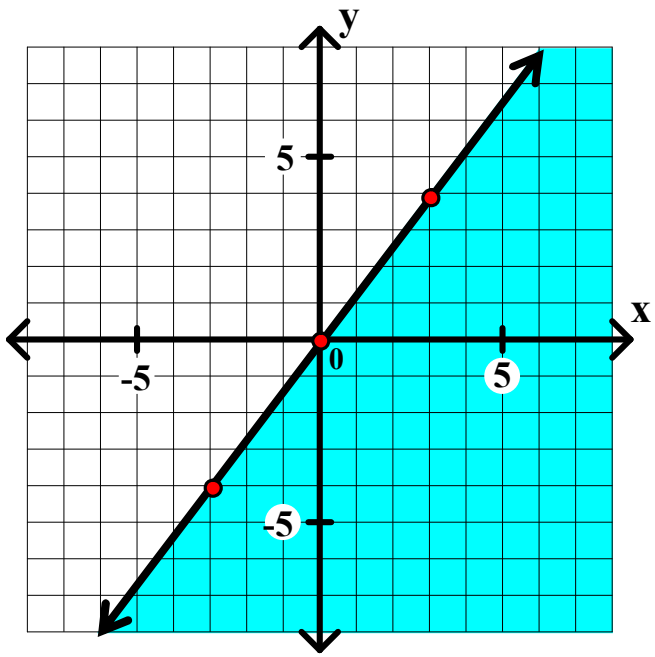

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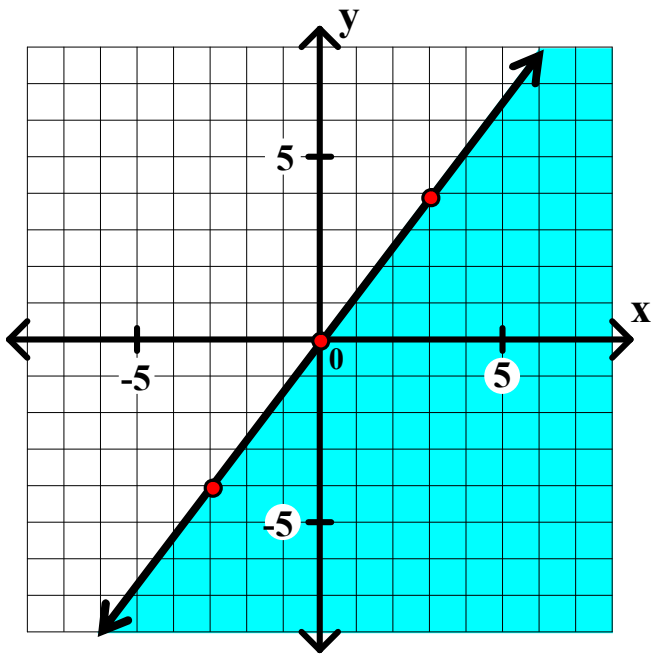

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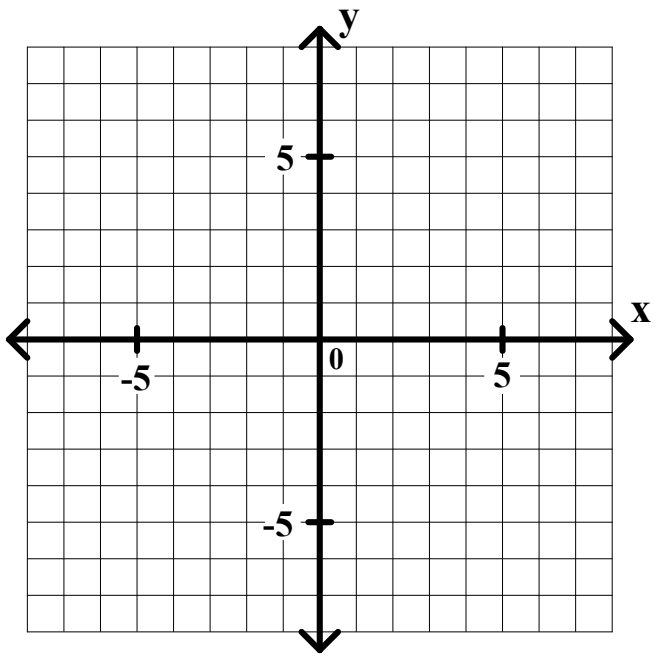

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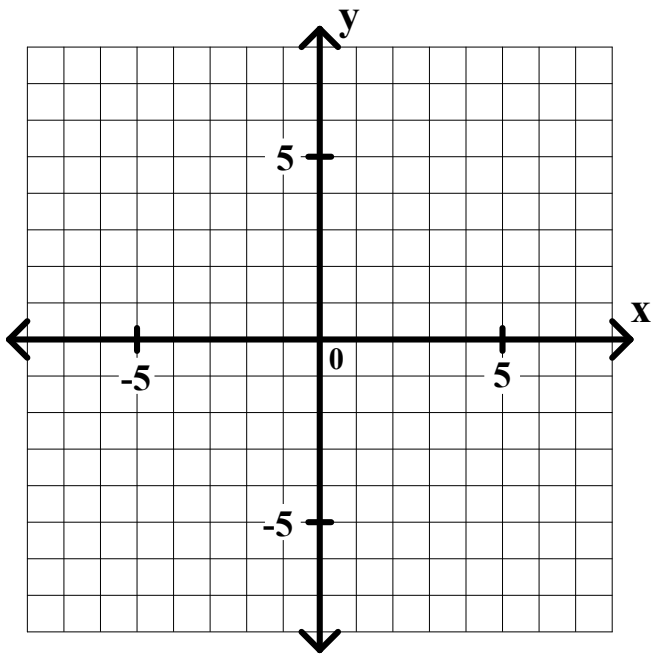

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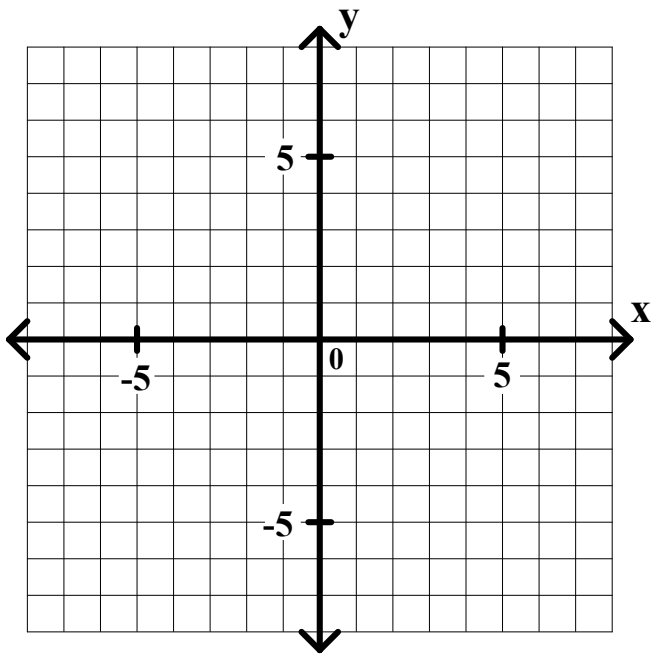

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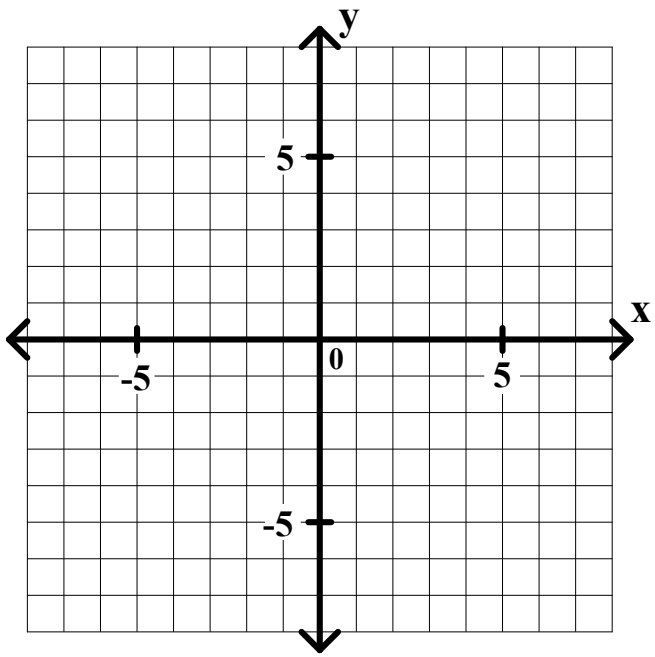

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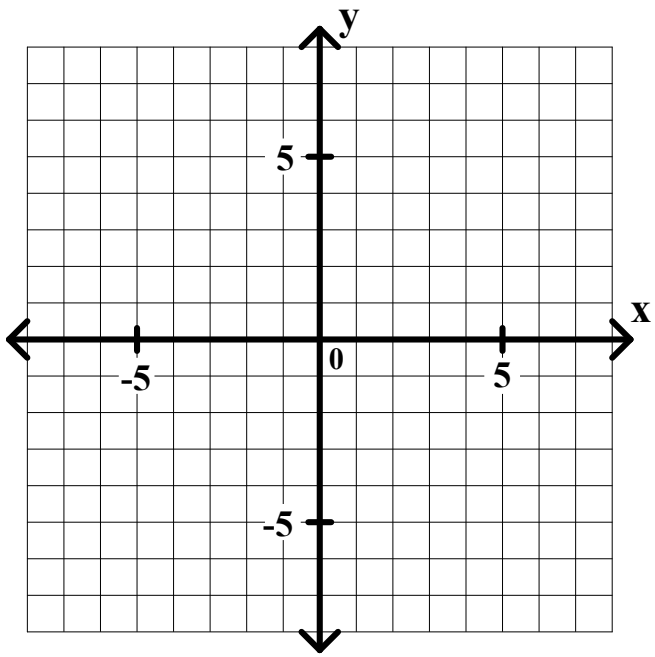

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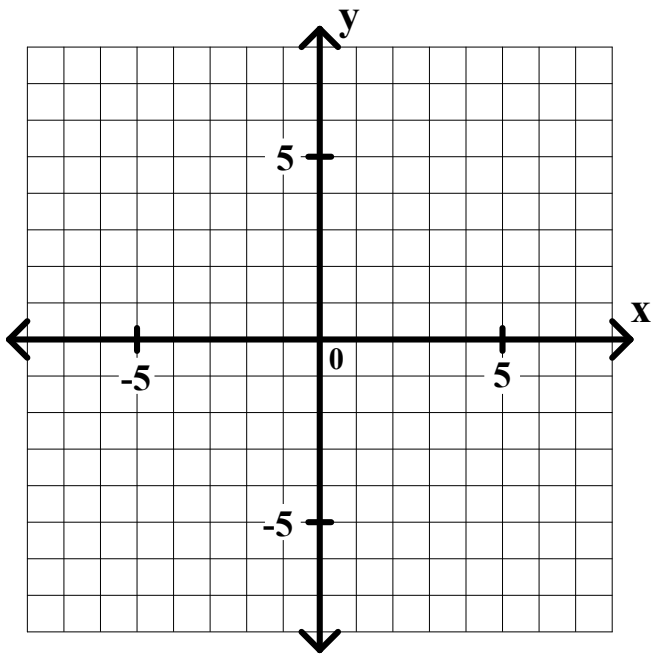

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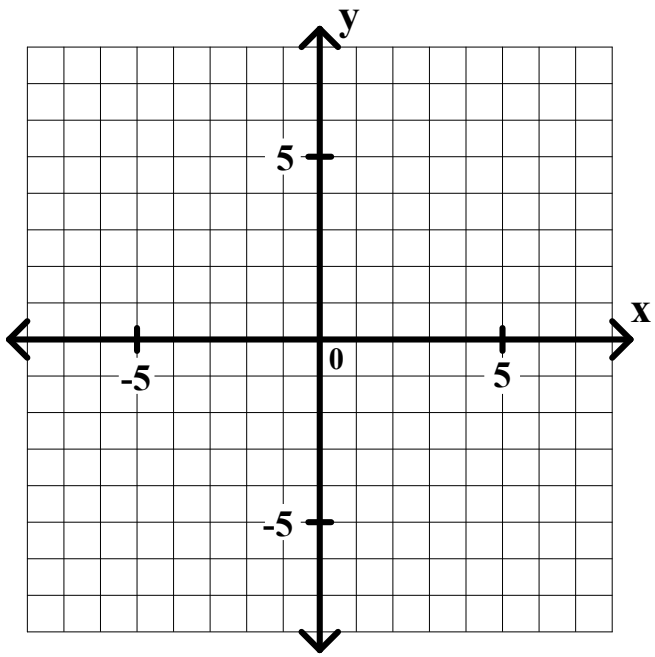

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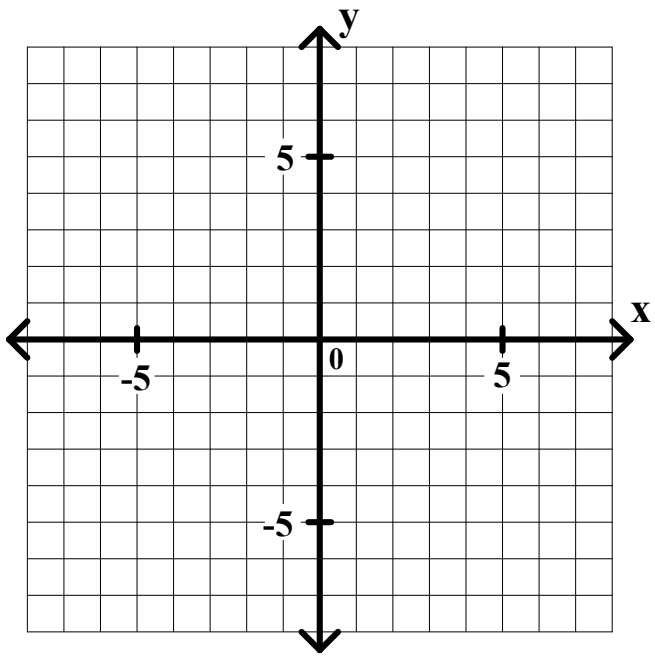

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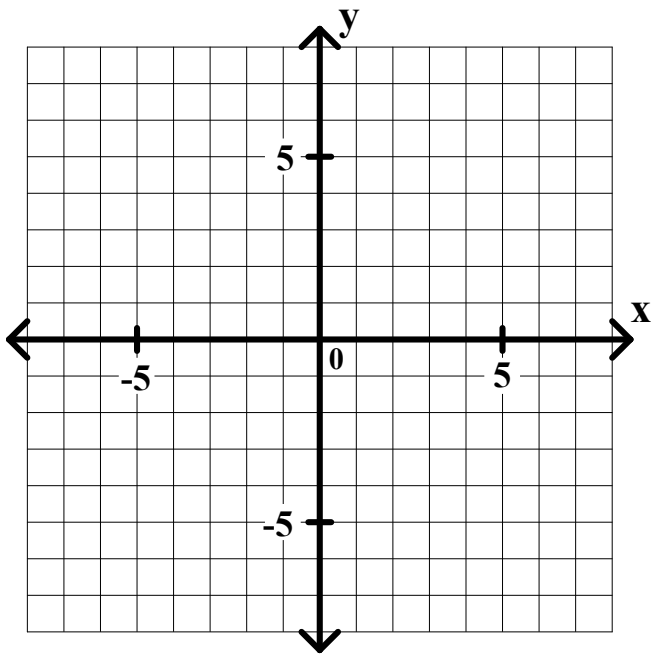

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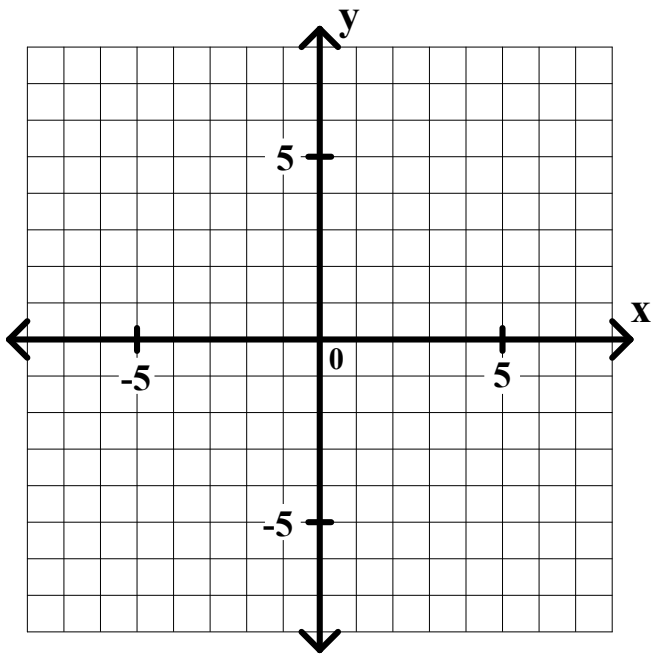

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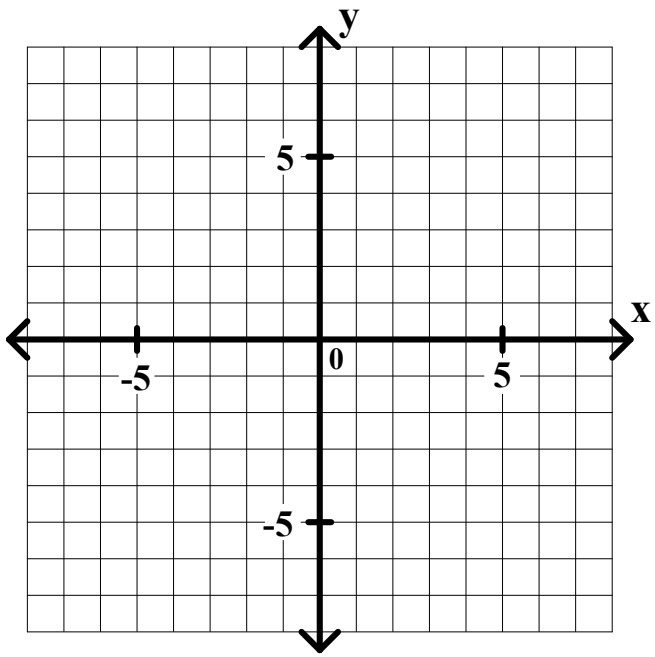

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Graph each of the following.

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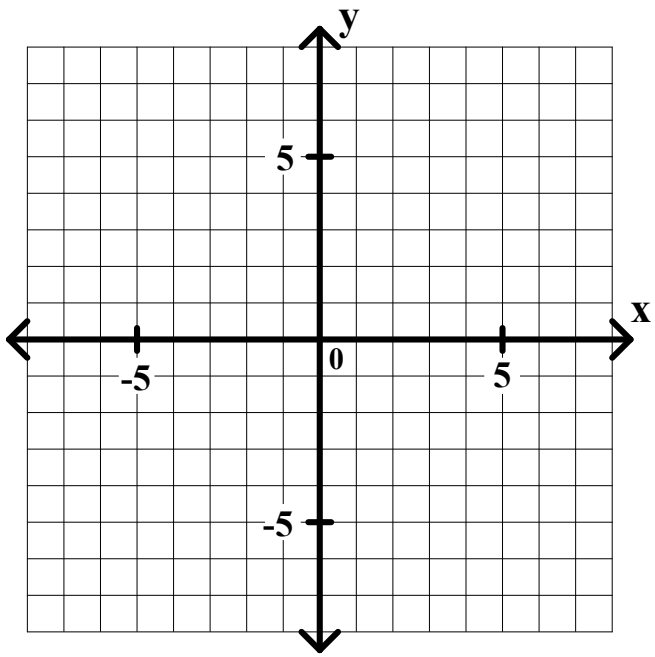

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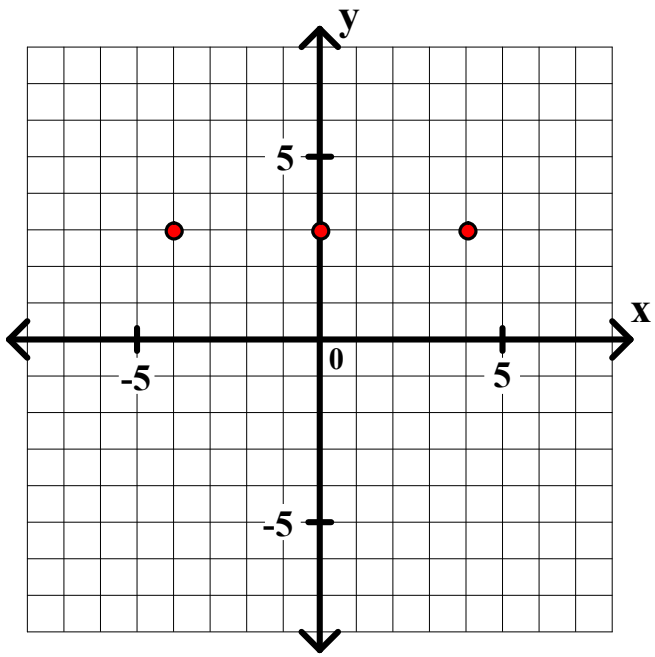

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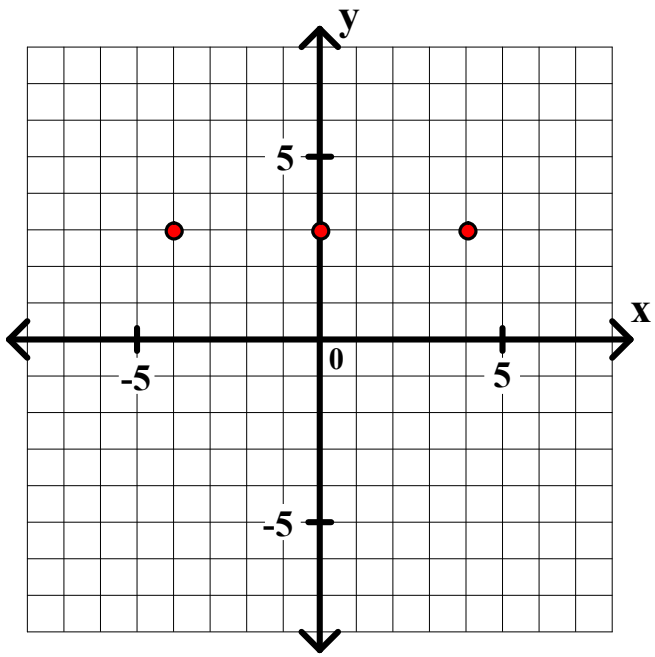

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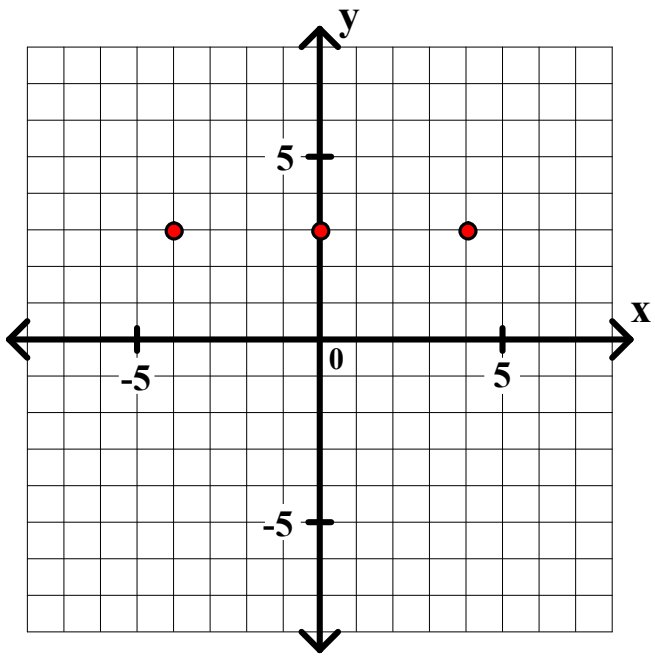

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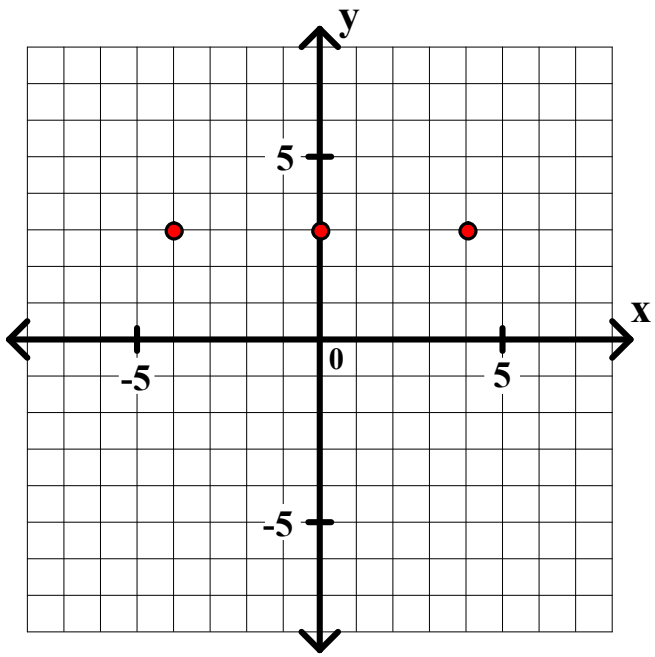

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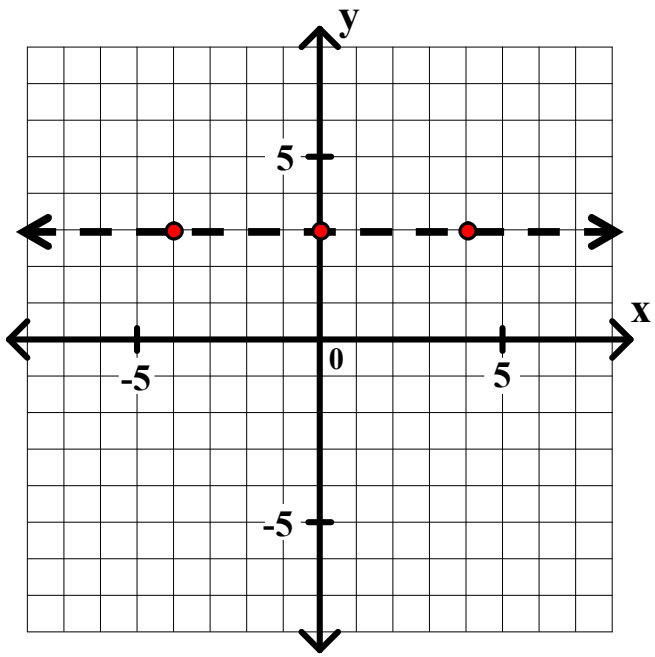

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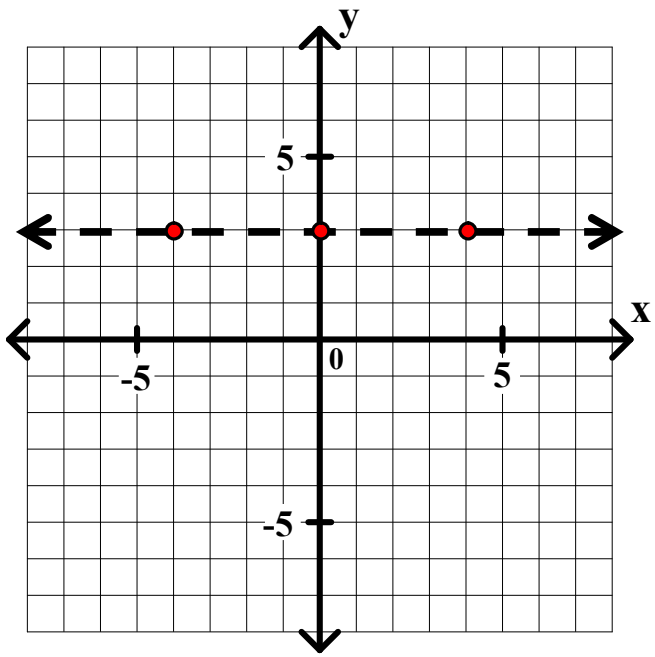

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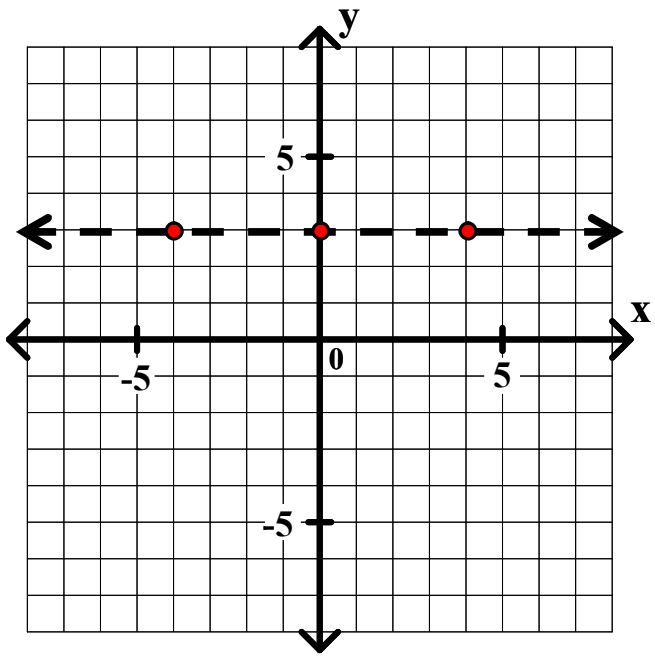
7. $2y - 3 < 3$

$2y < 6$

$y < 3$



The boundary line is the horizontal line $y = 3$.

The boundary line is a dashed line.

Step 1: Solve for y. (If that is not possible, then solve for x.)

Step 2: Graph several points on the boundary line.

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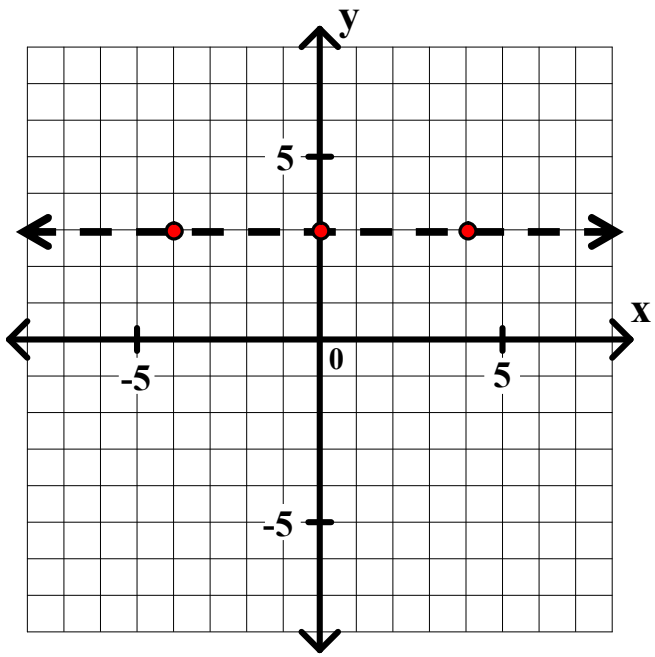

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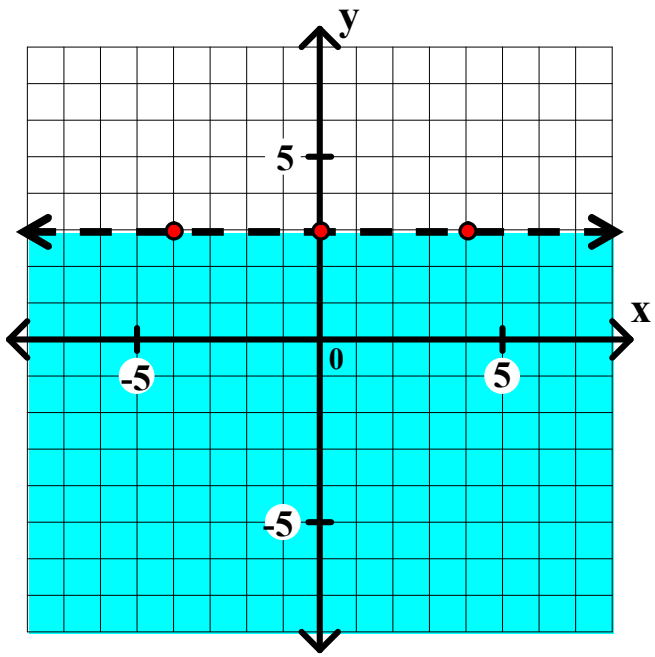

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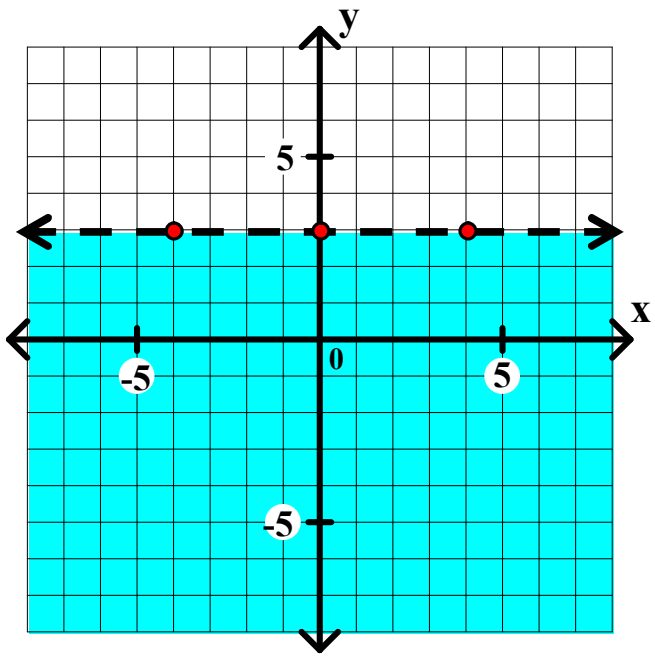

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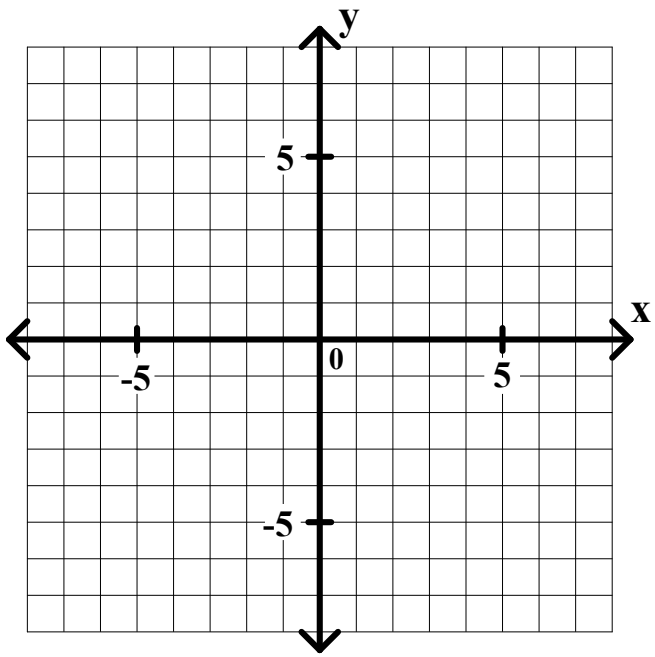

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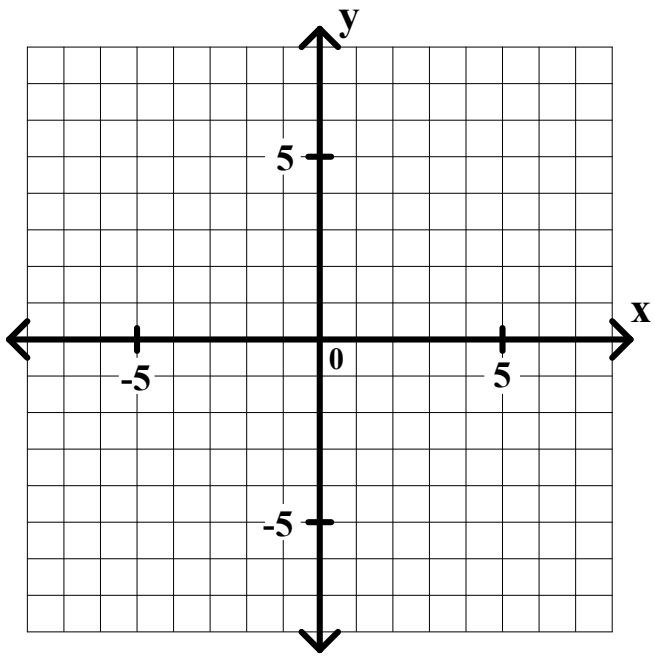

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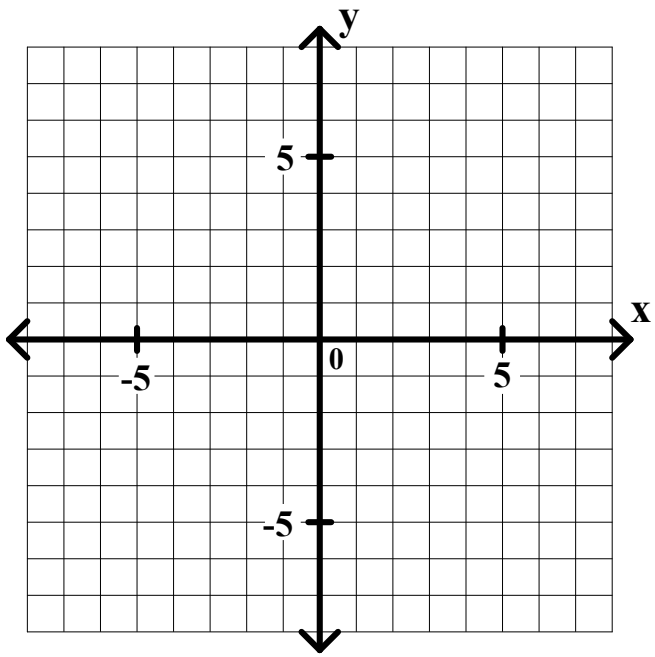

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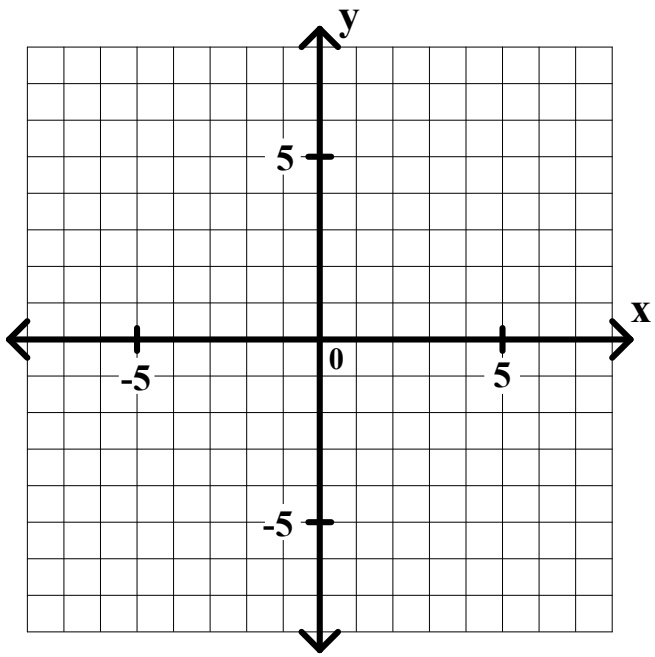

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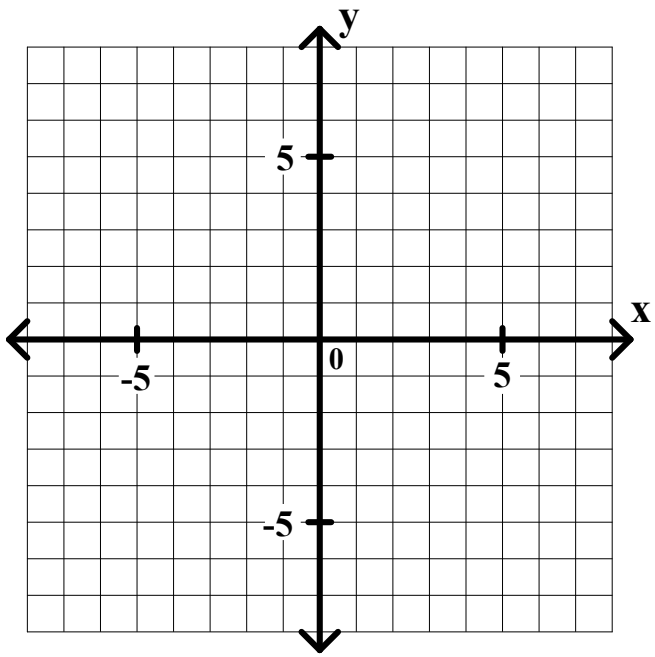

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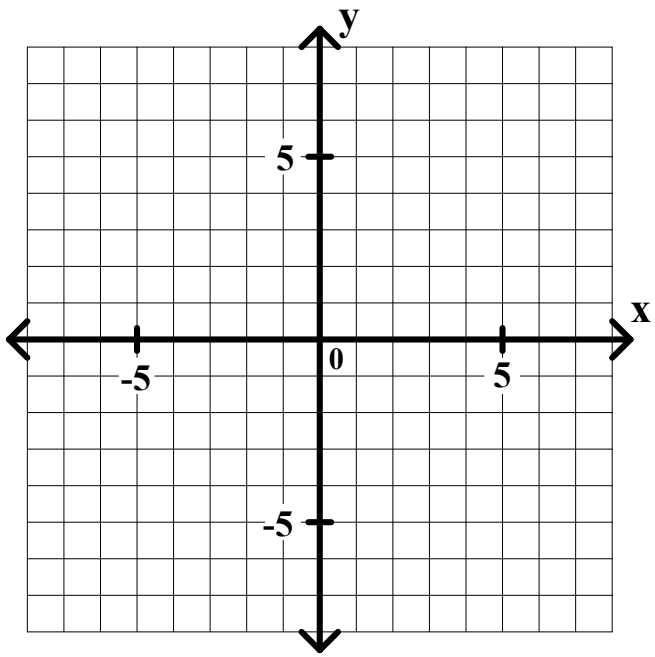

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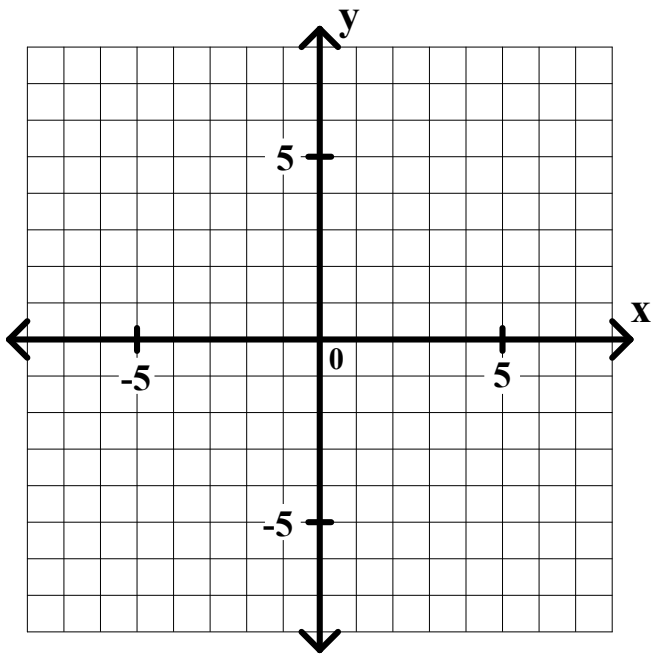

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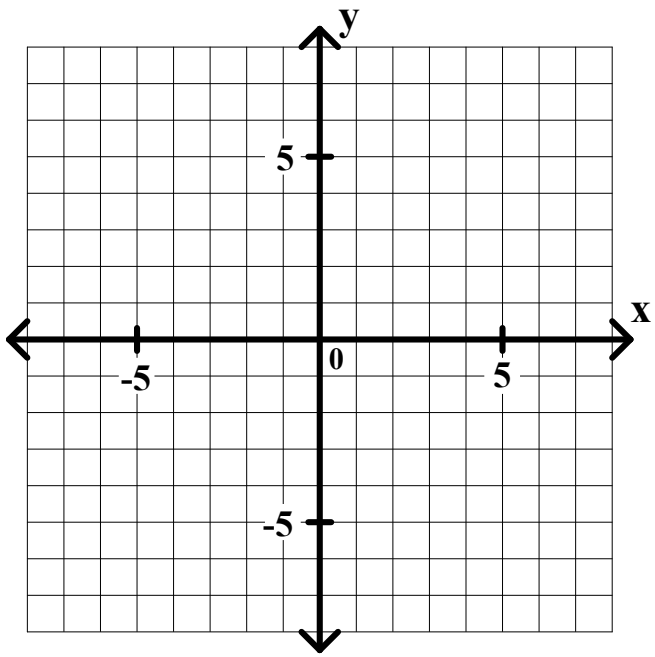

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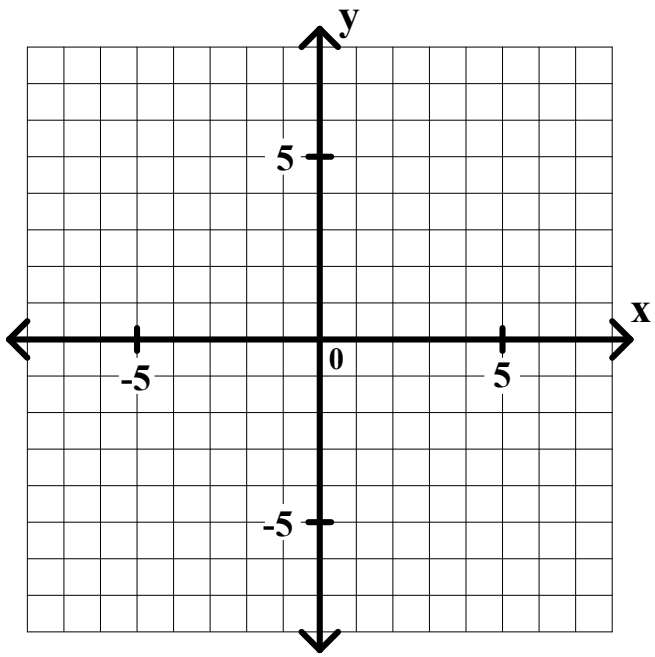

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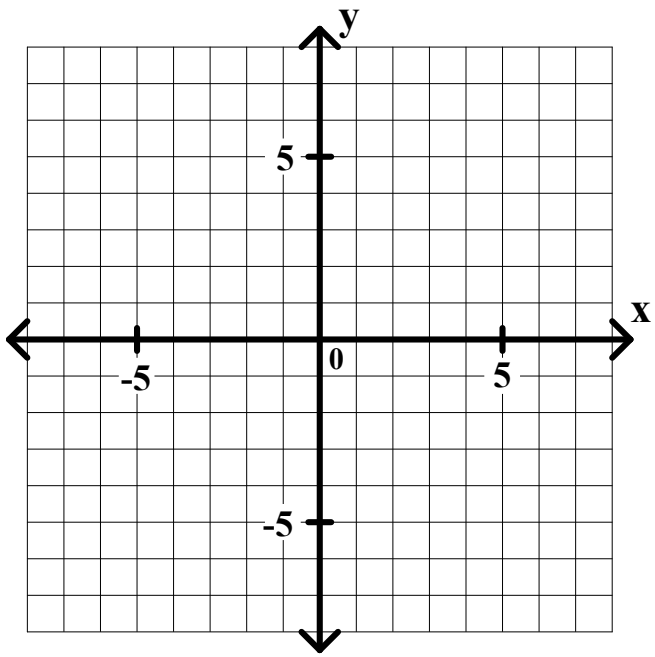

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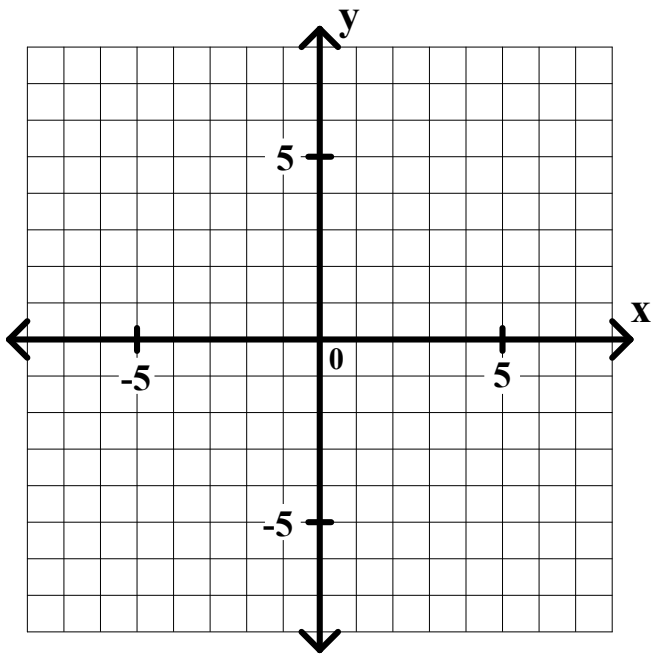

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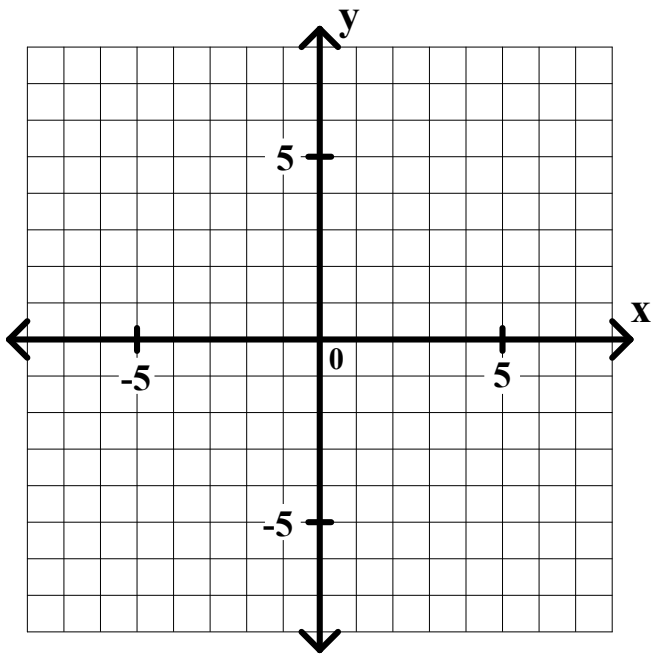

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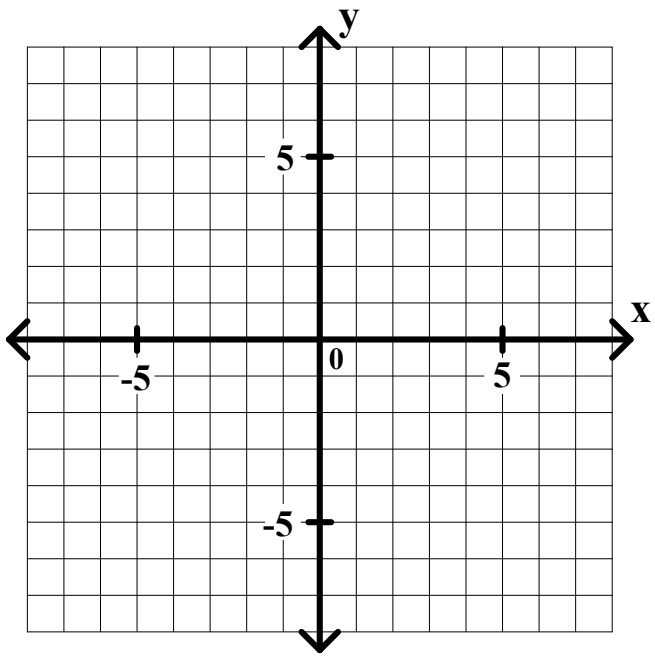

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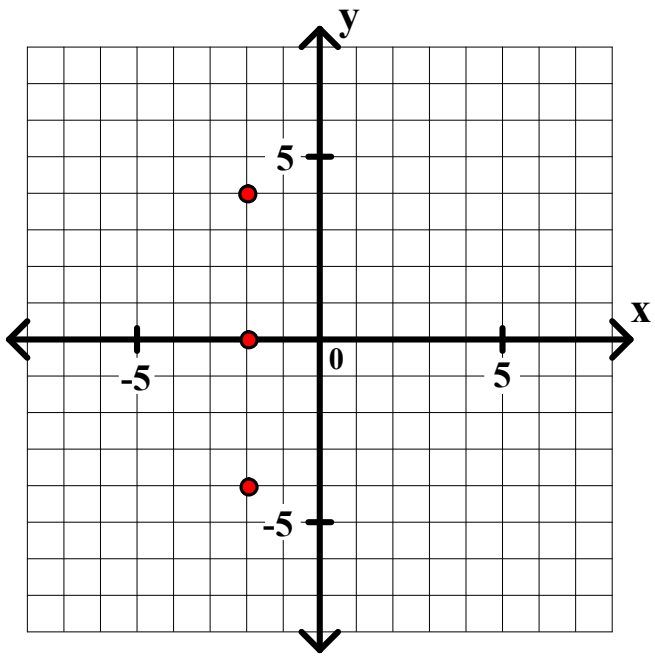

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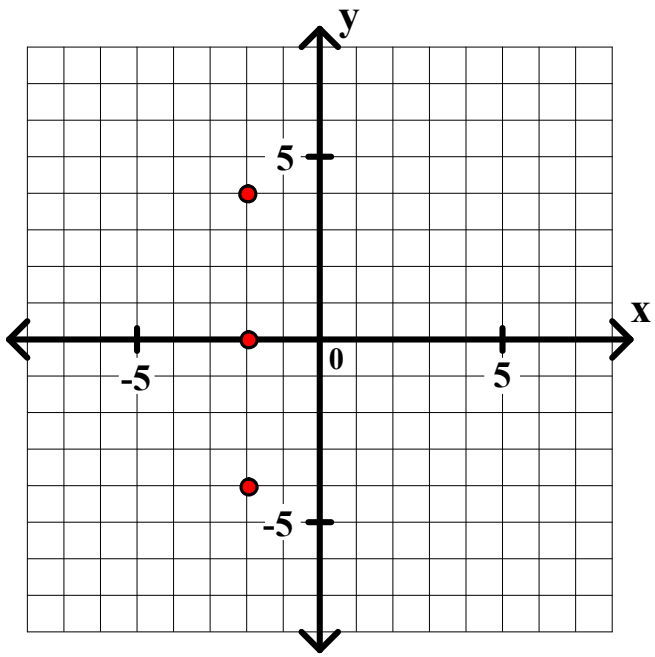

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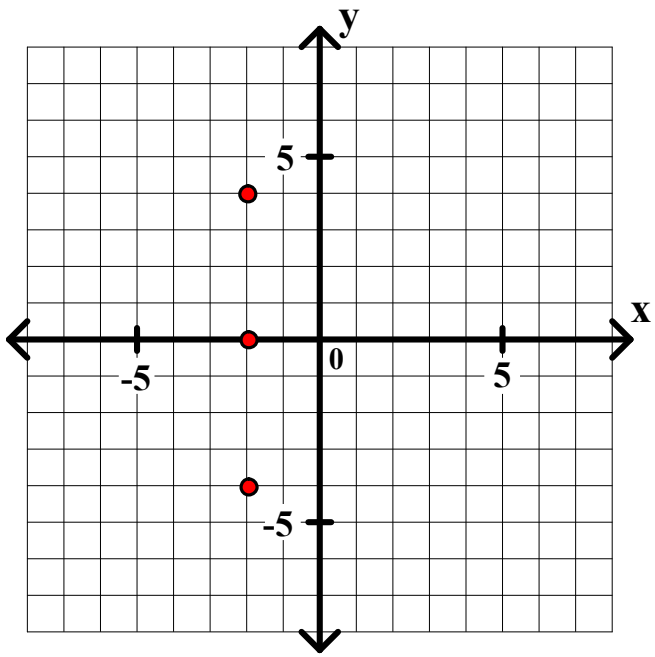

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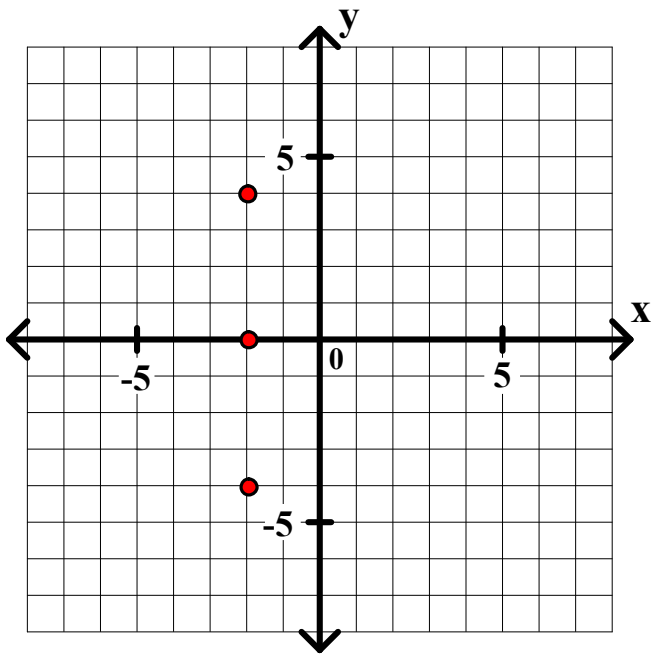

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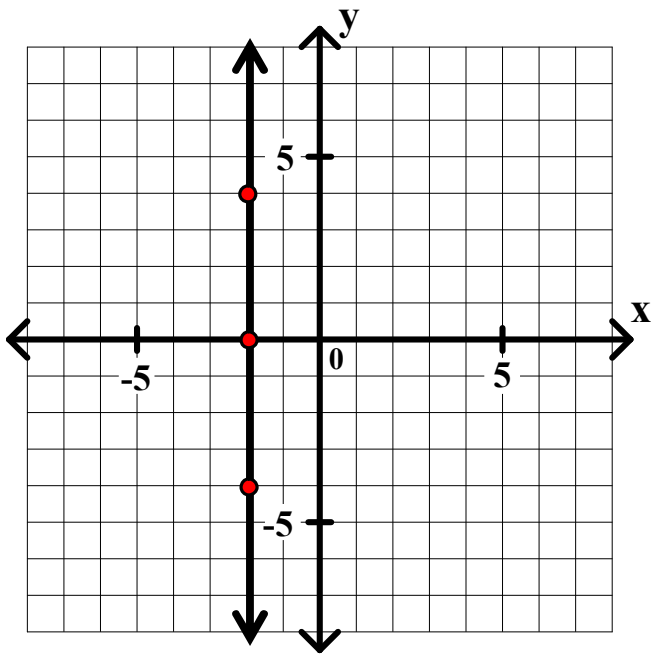

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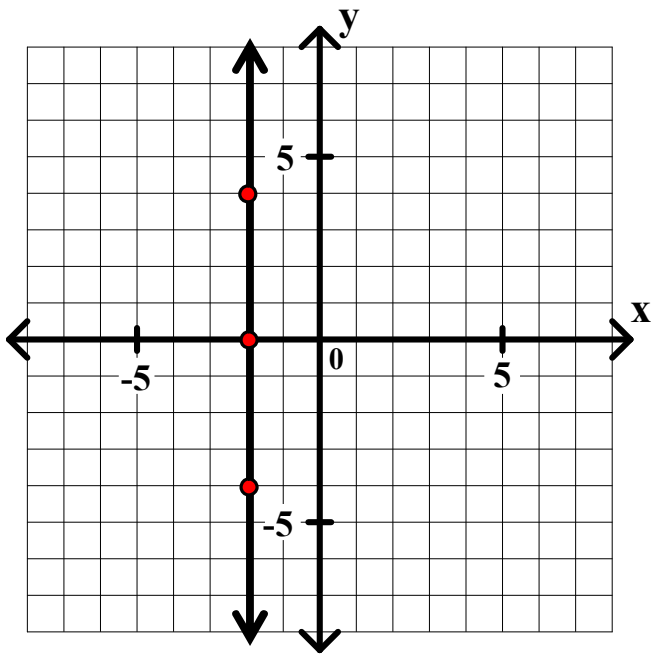

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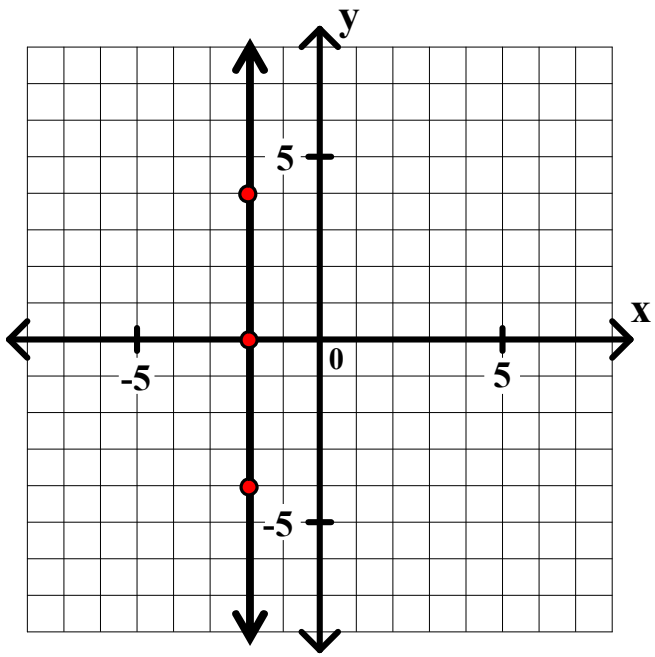

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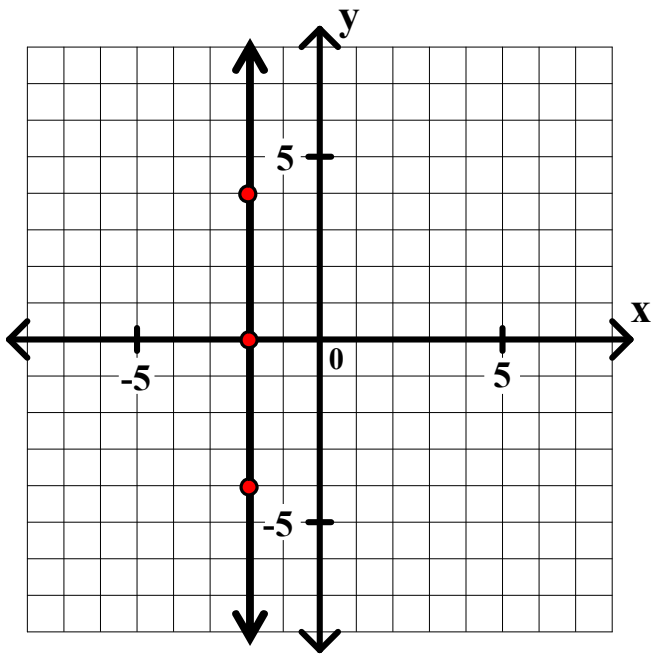

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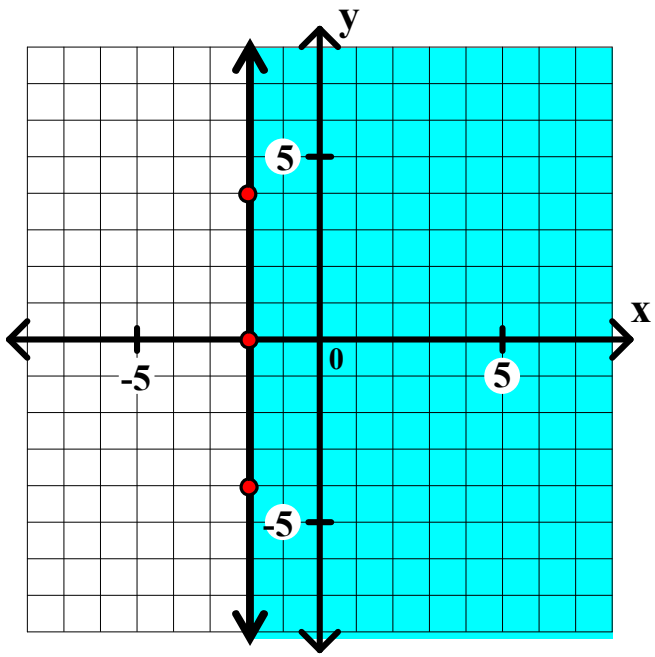

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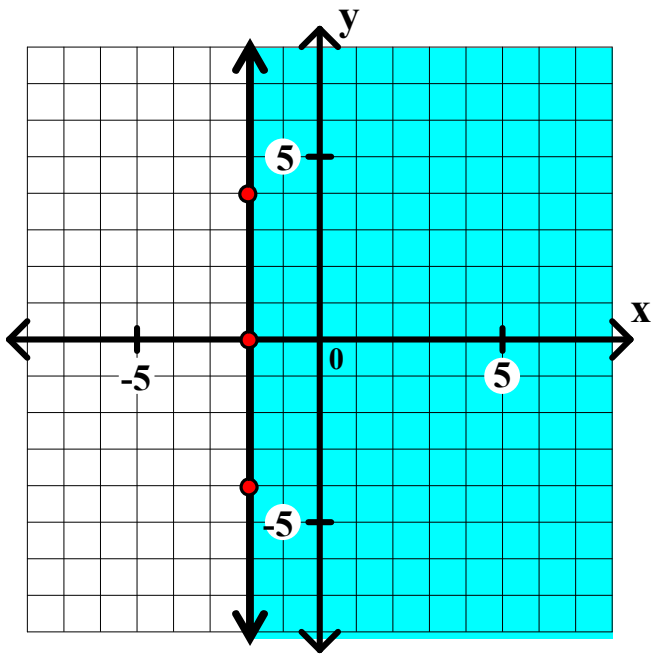

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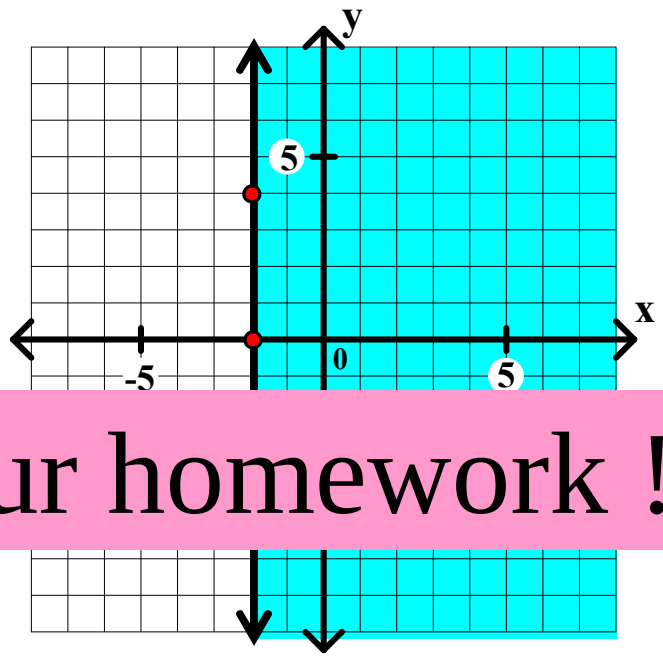

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