General Algebra II

Lesson #1 Unit 2

Notes #1

Class Worksheet #1

For Worksheets #1 & #2

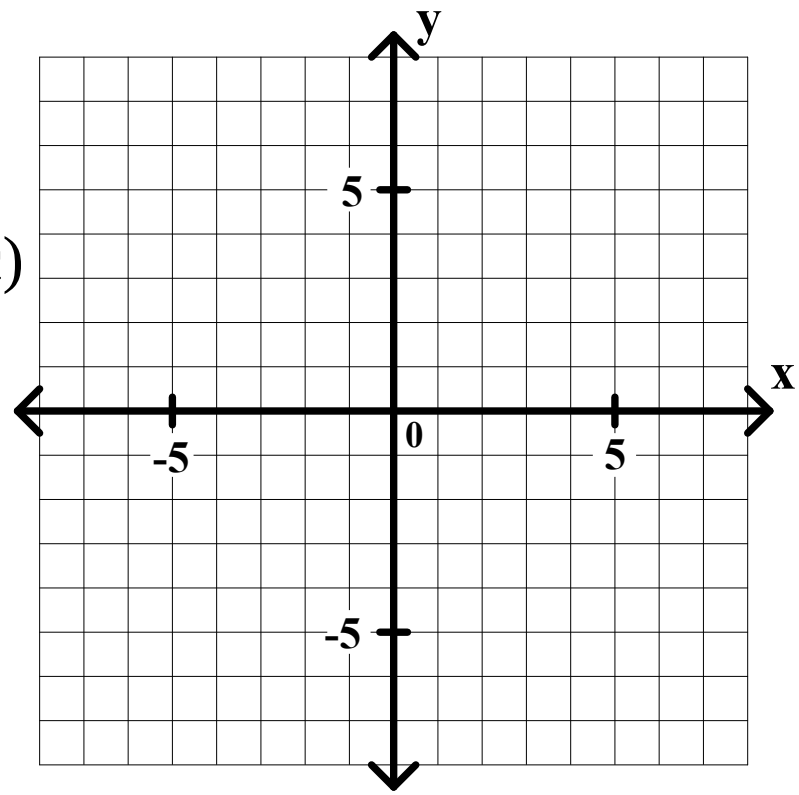
General Algebra II CWS #1 Unit 2

1. $4x - 3y = 6$

(a) x intercept: ___ y intercept: ___

(b) slope-intercept equation: _____

(c)



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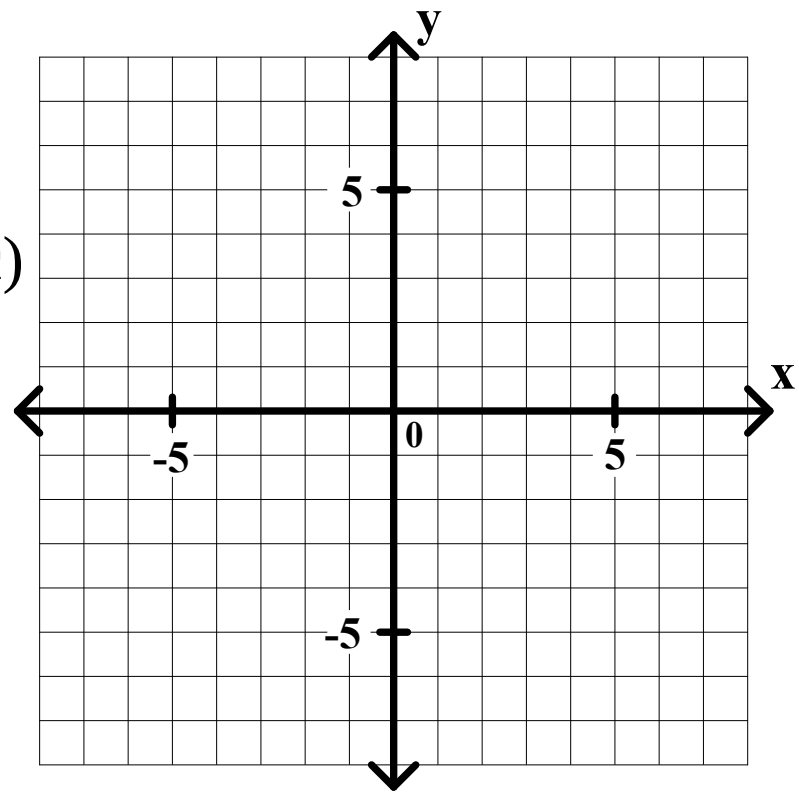

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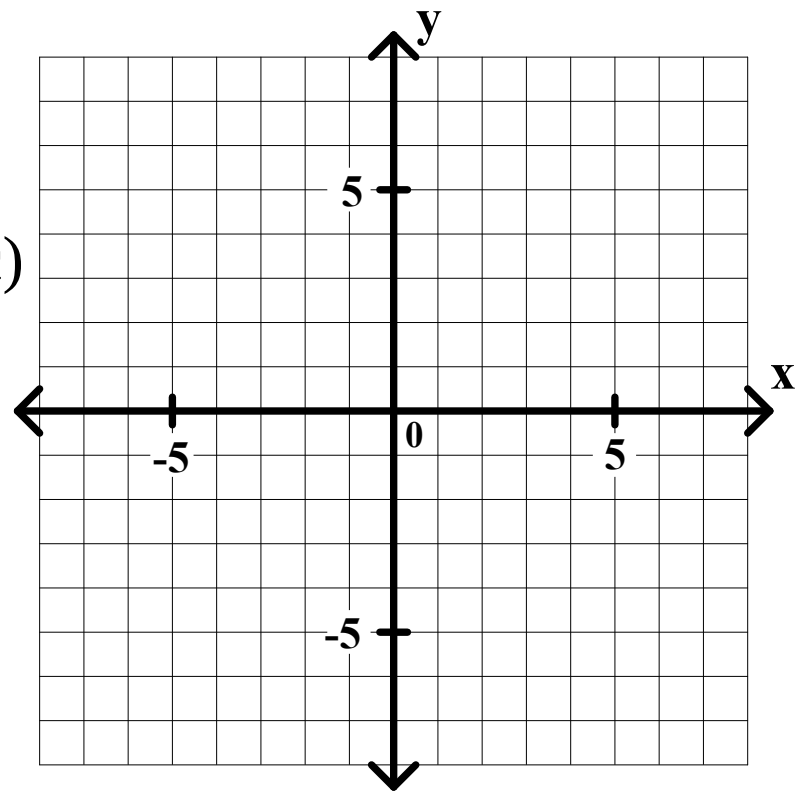

The x-intercept is the value of x when y = 0.

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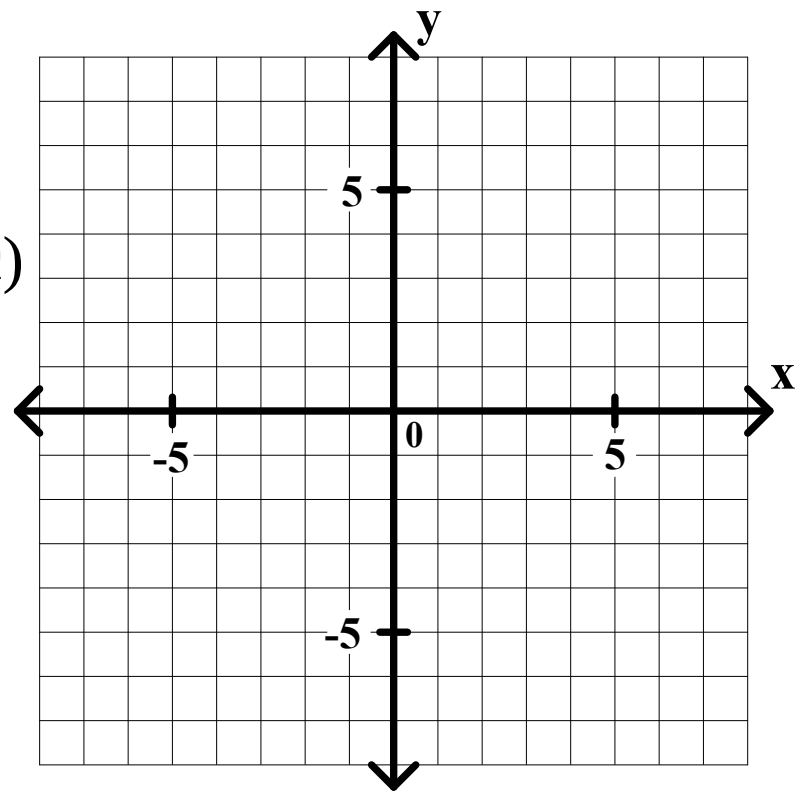

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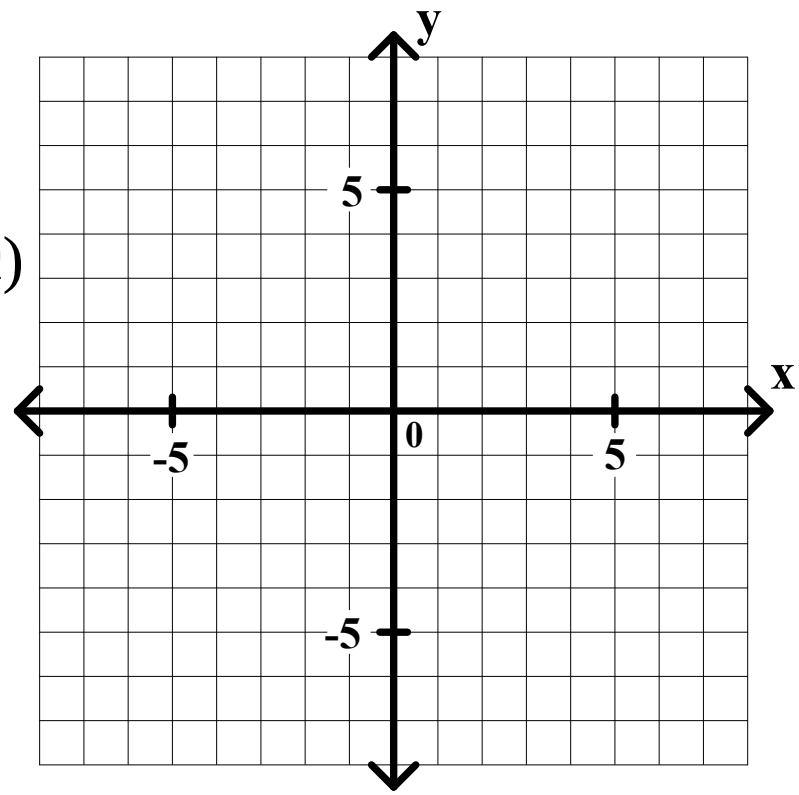

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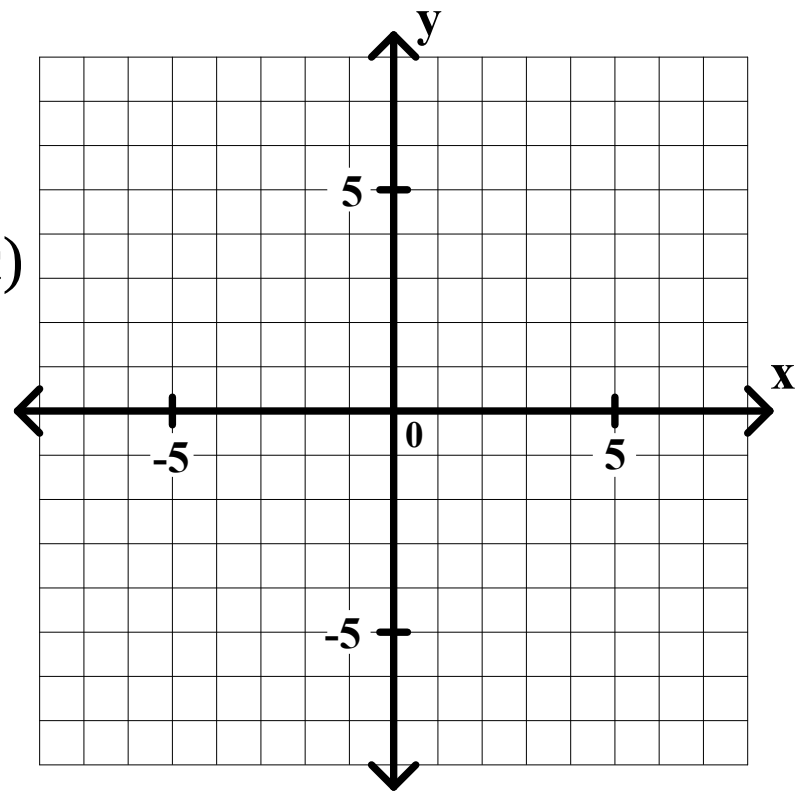

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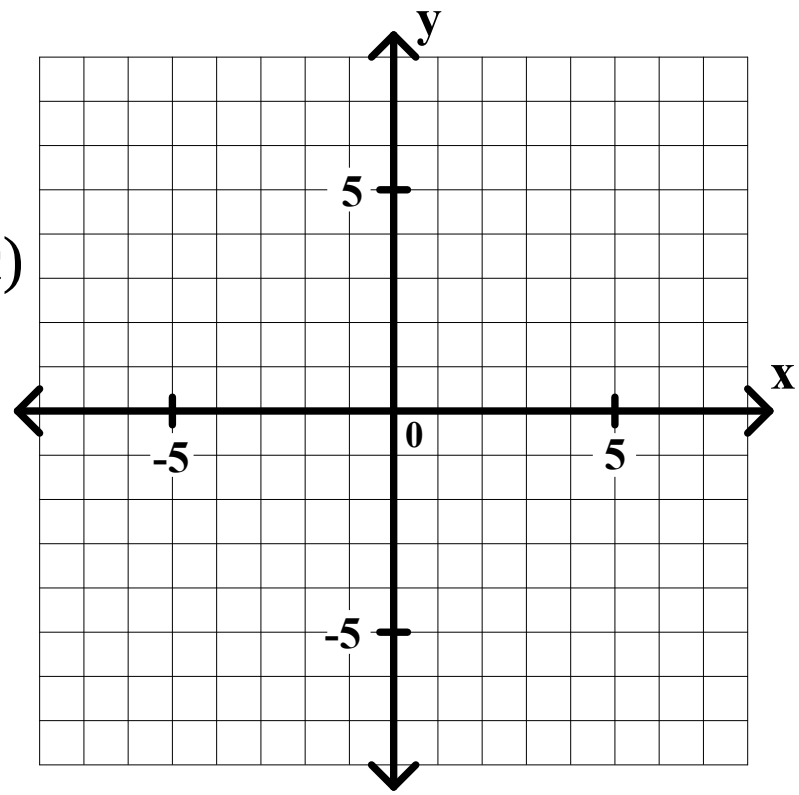

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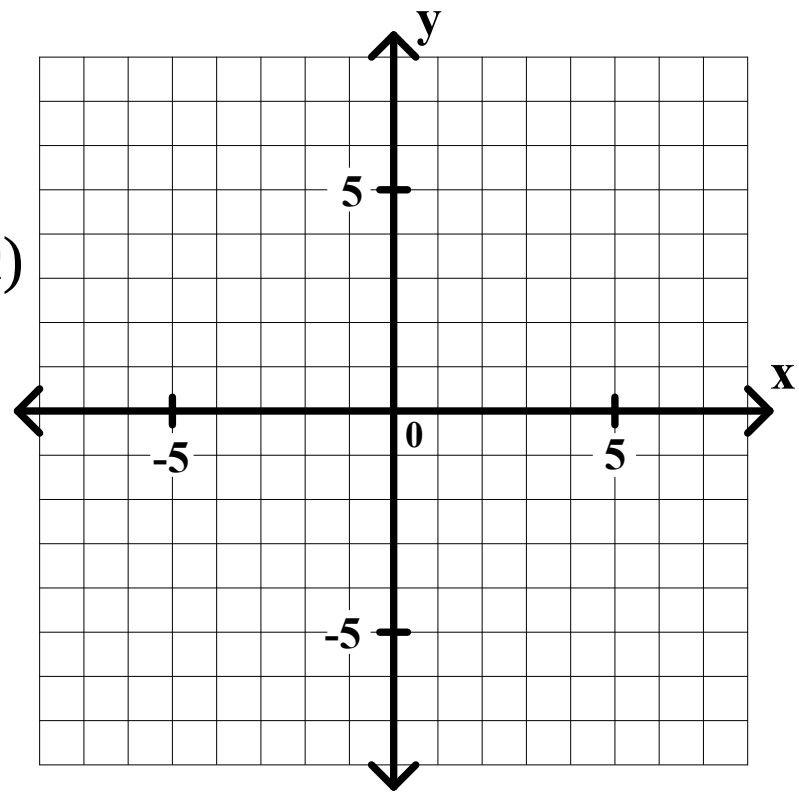

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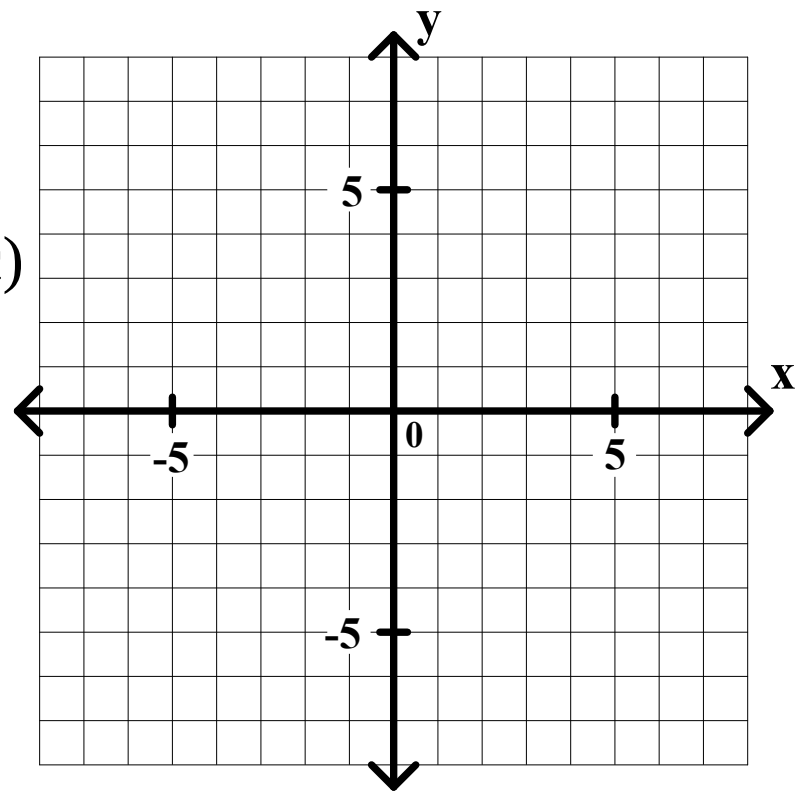

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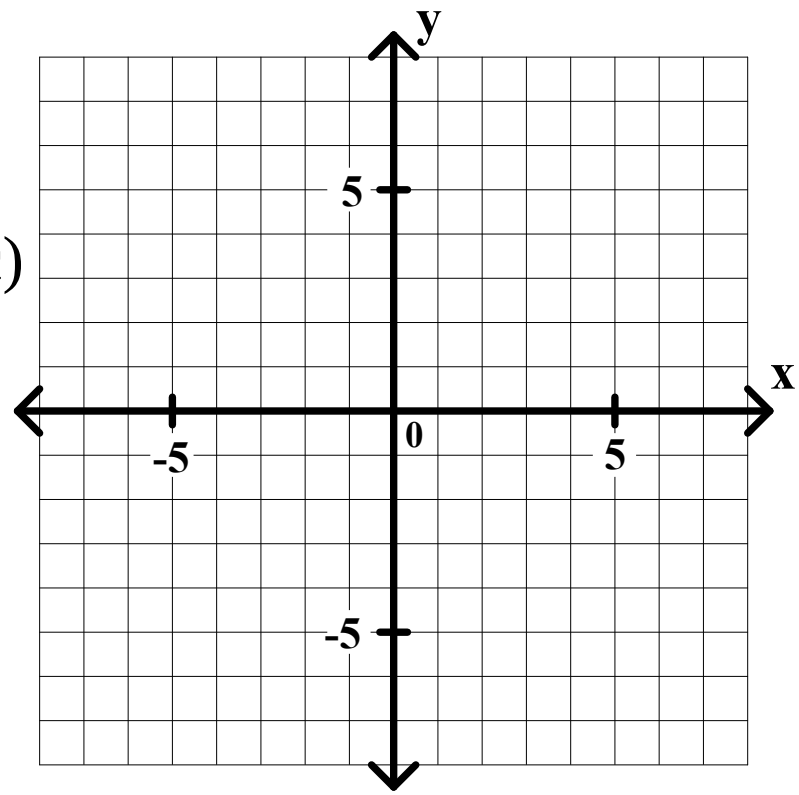

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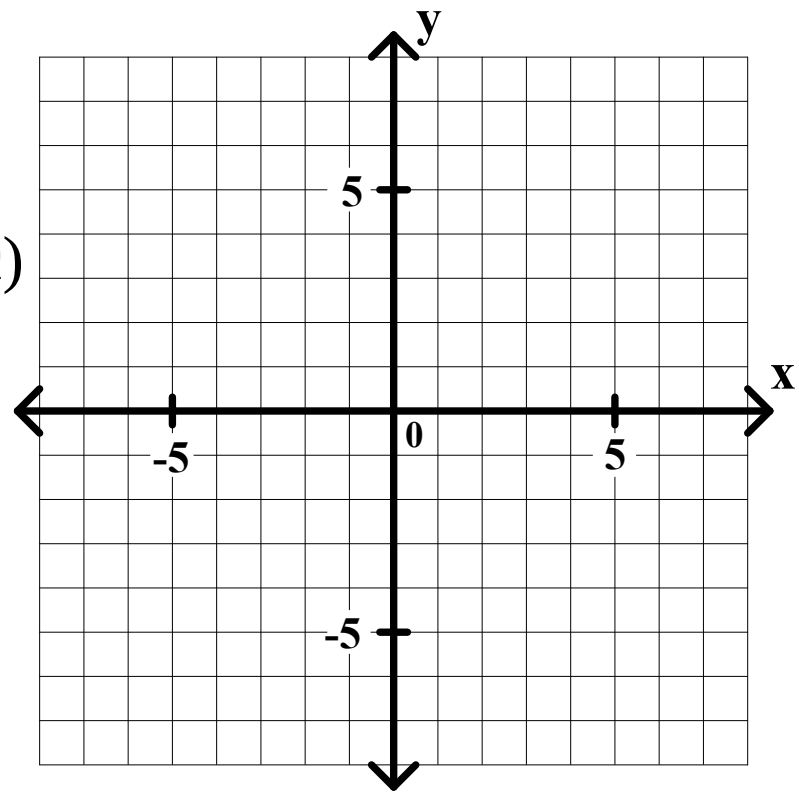

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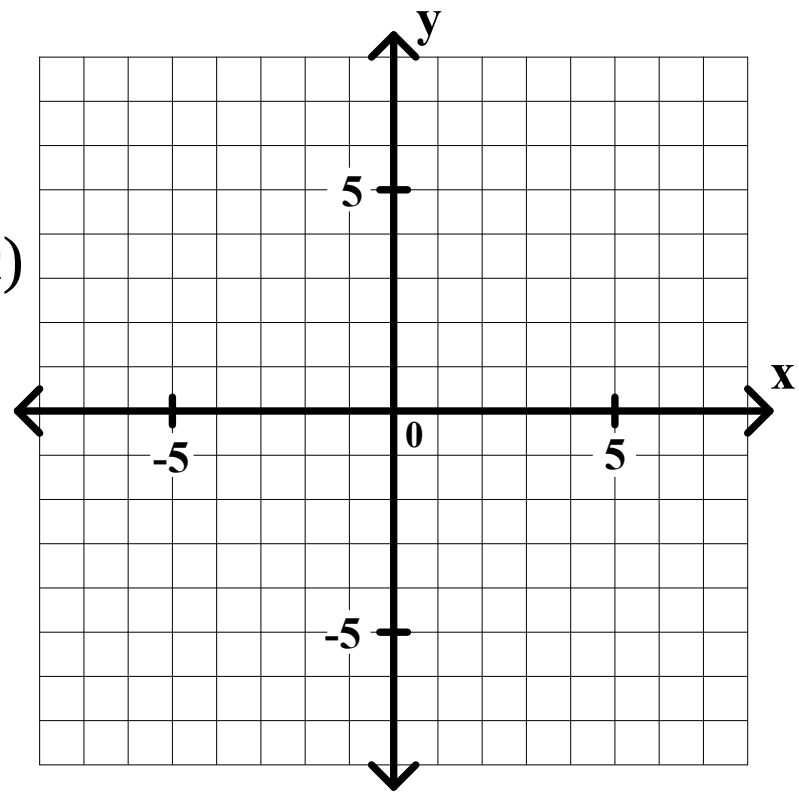

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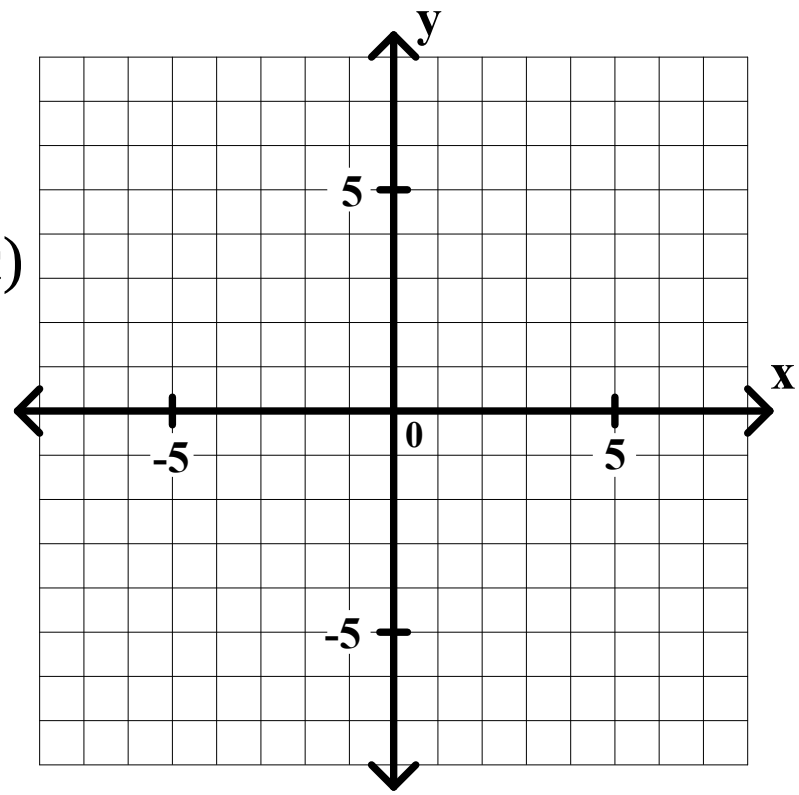

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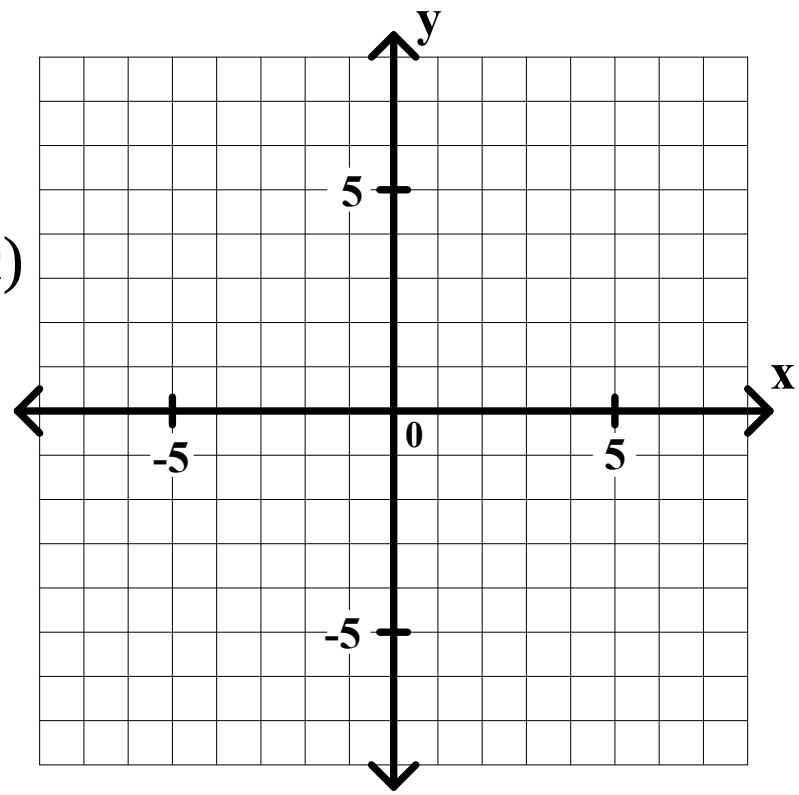

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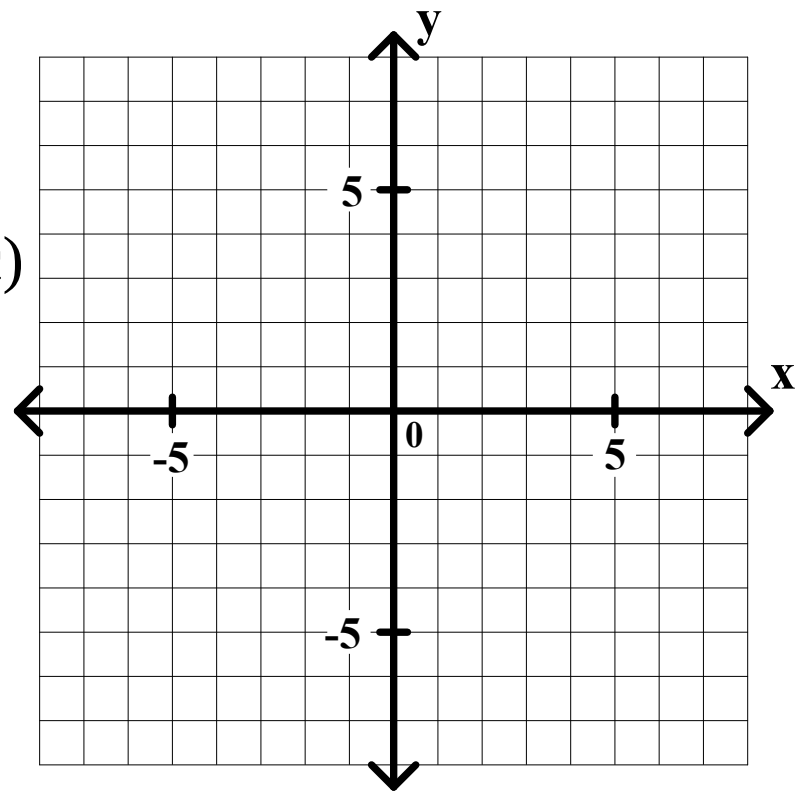

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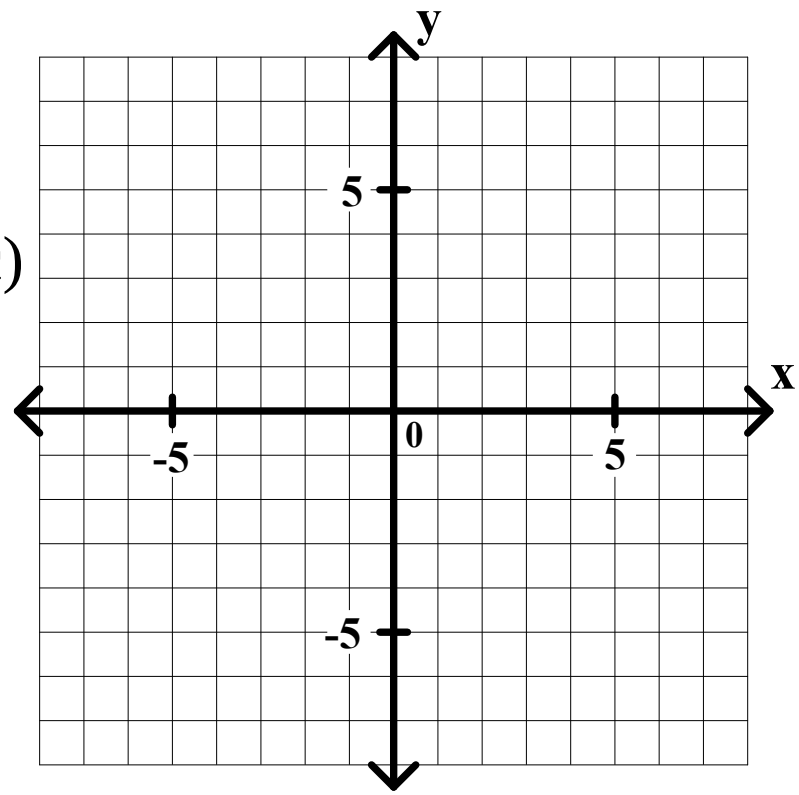

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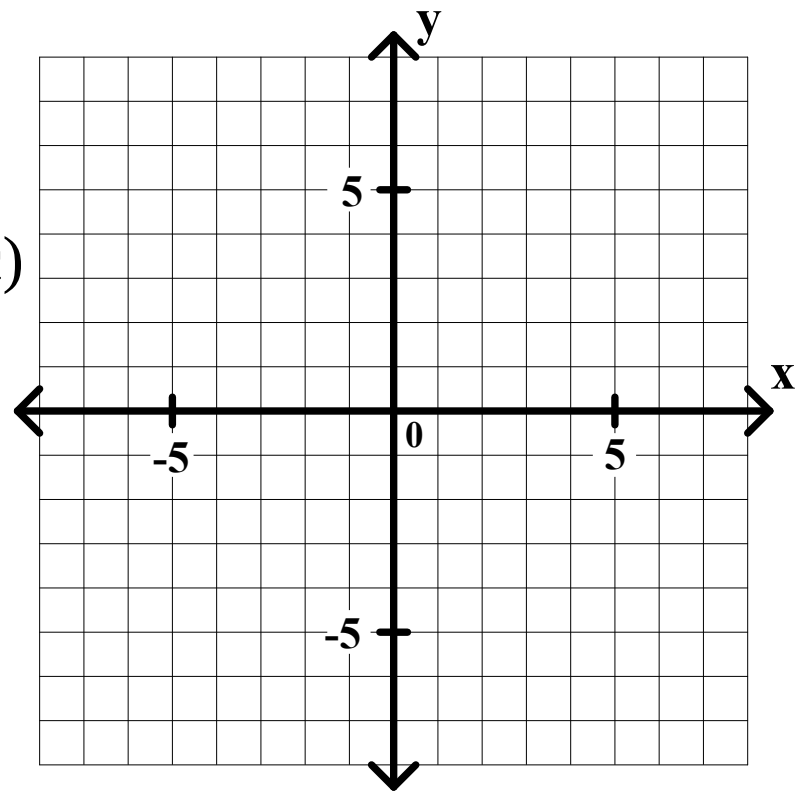

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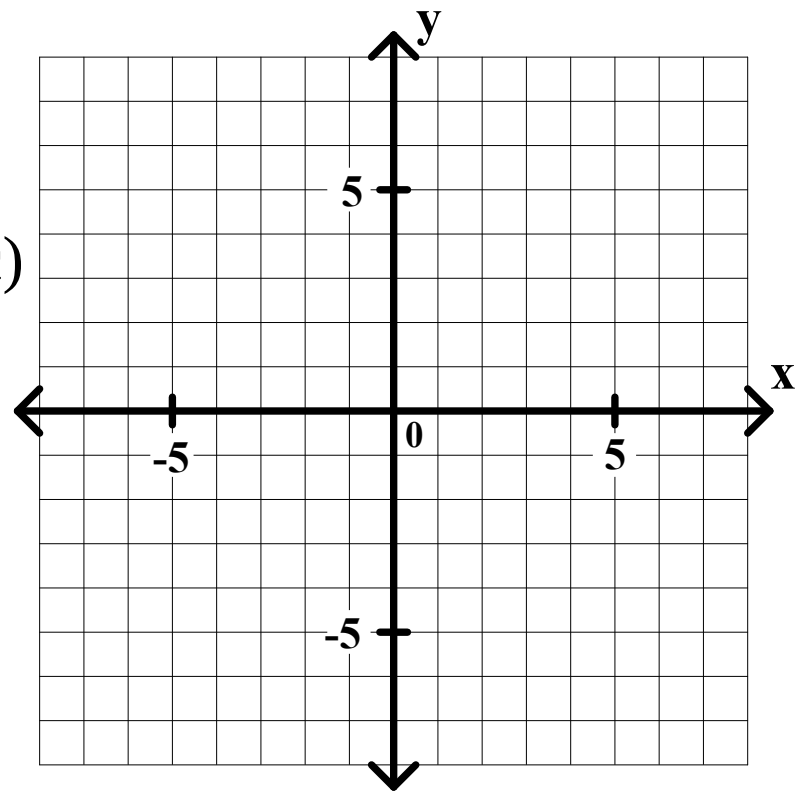

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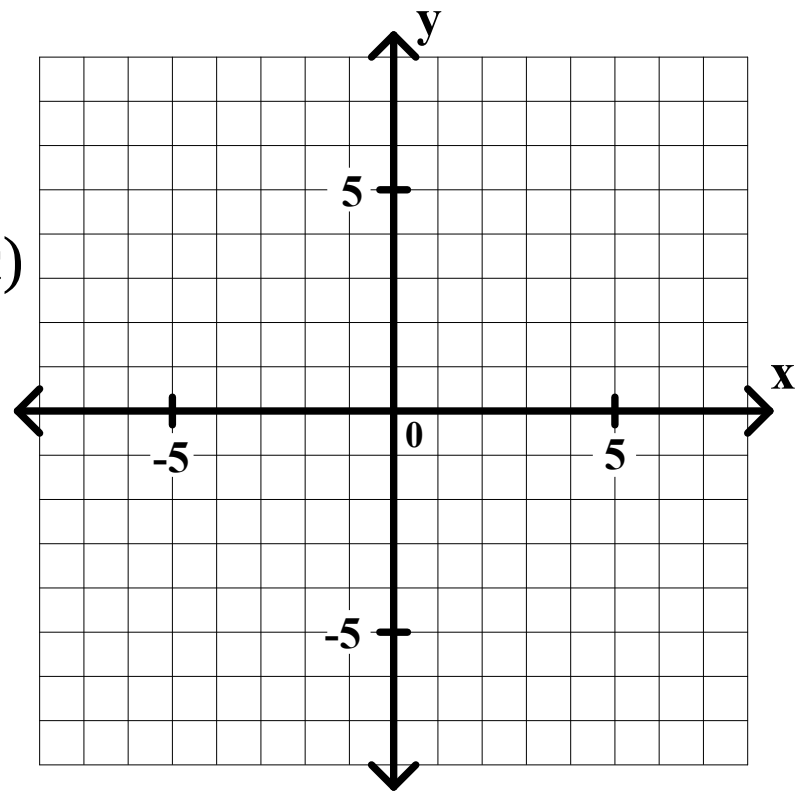

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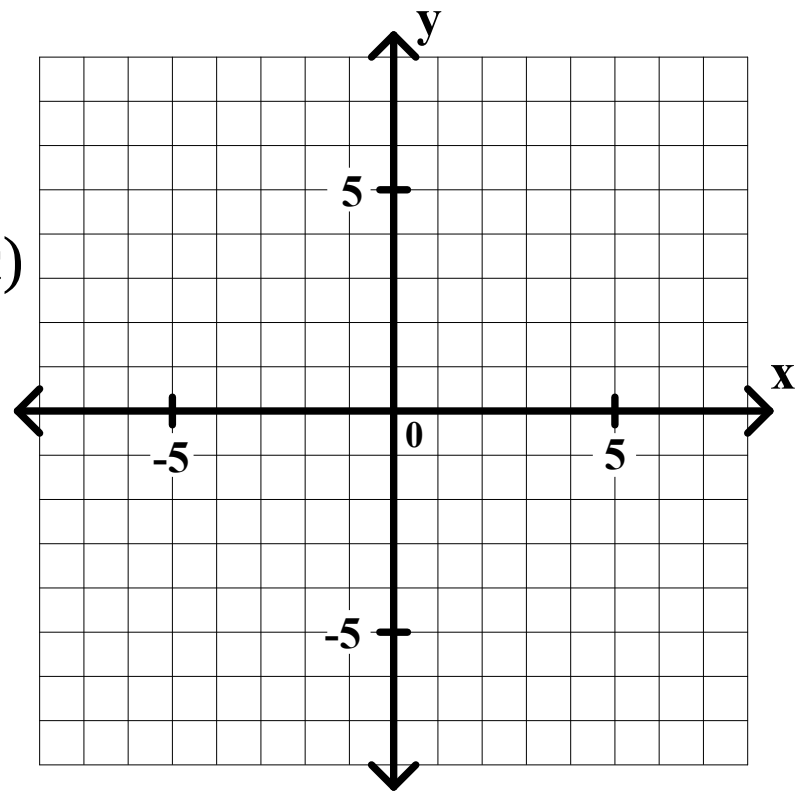

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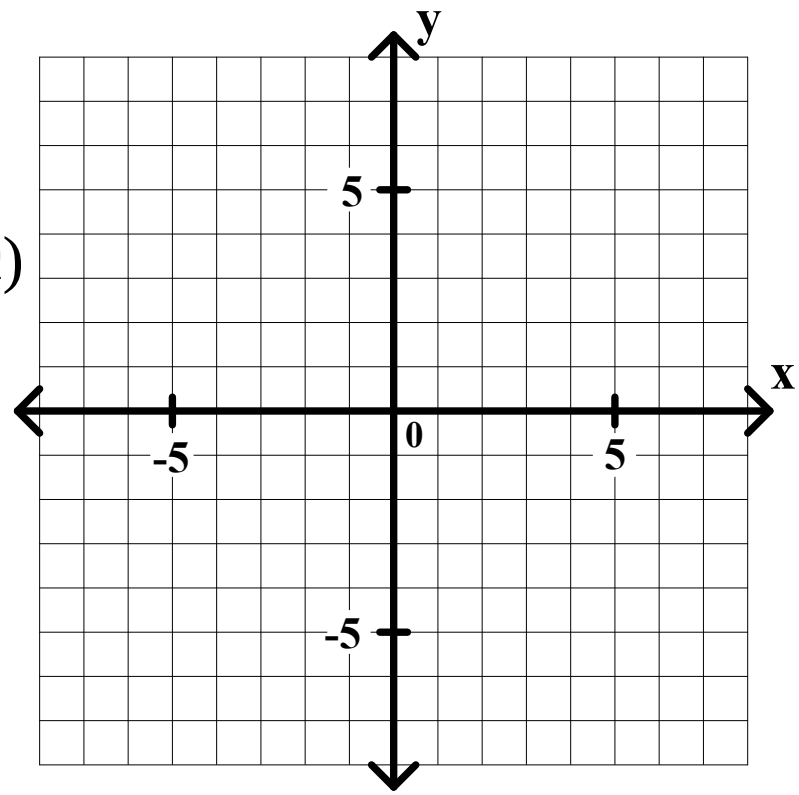

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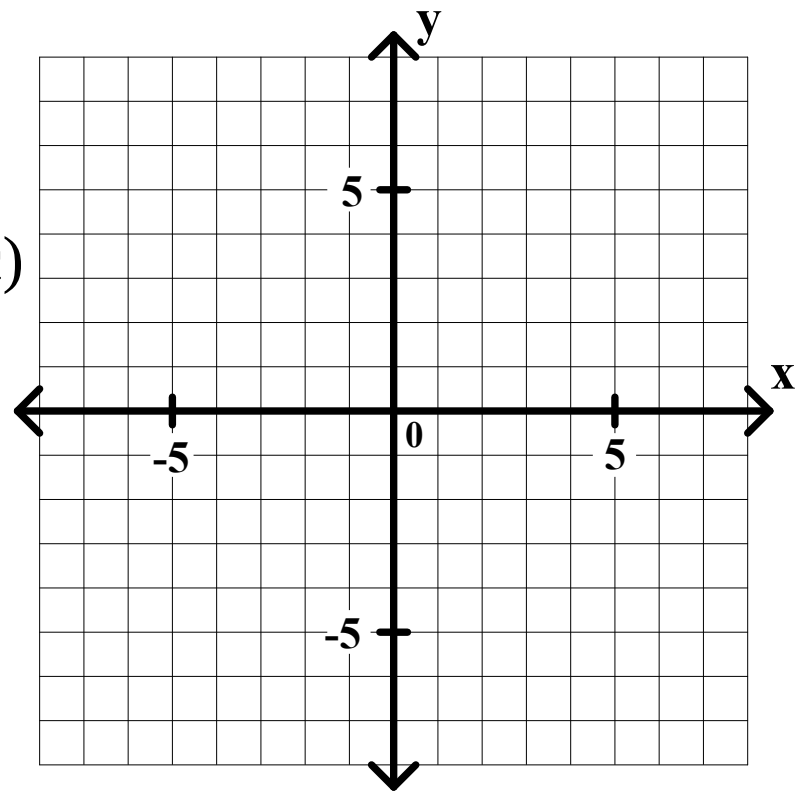

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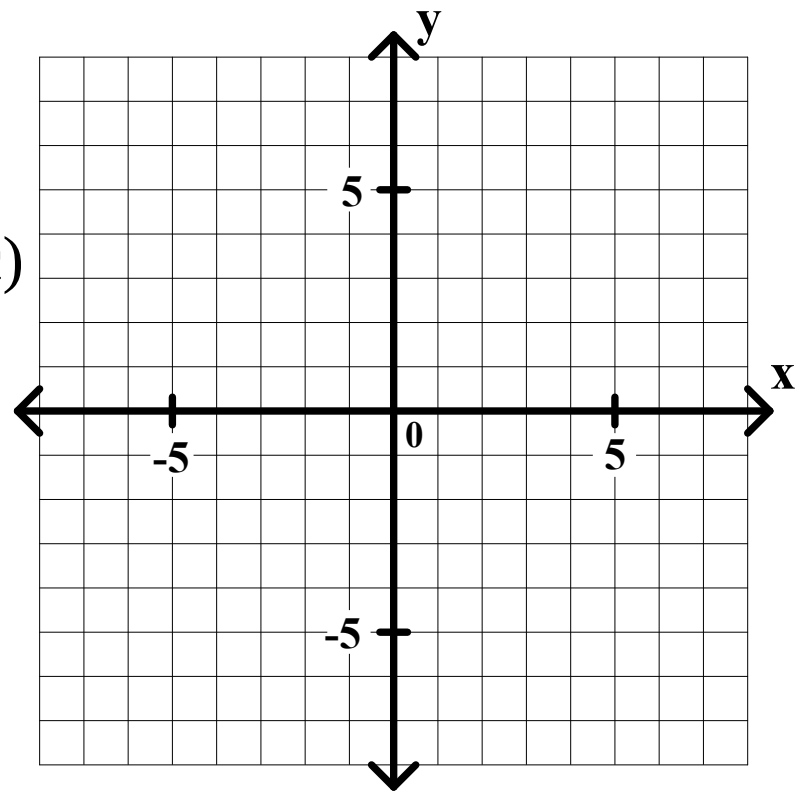

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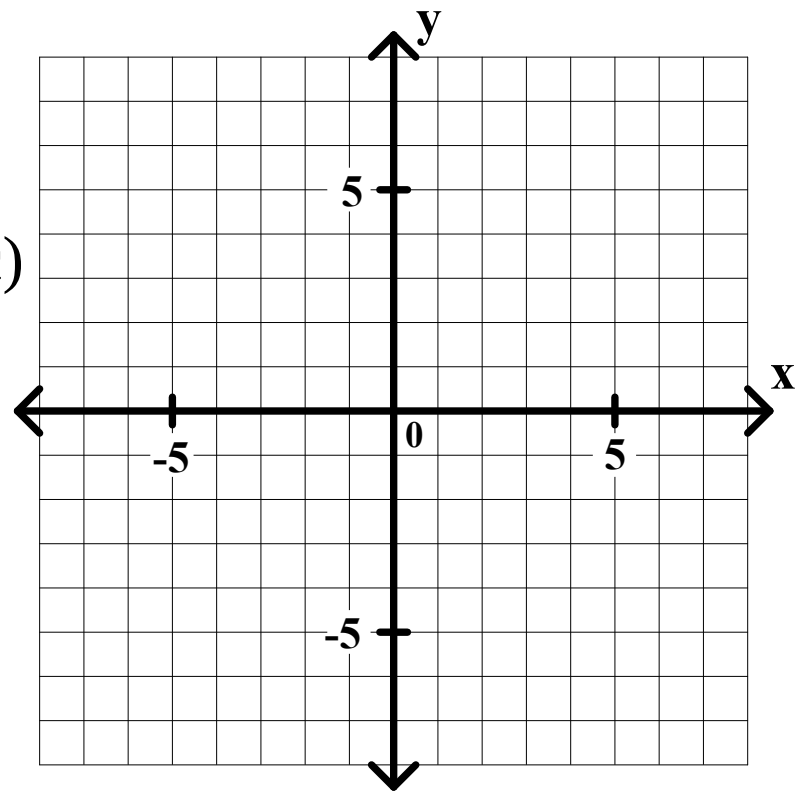

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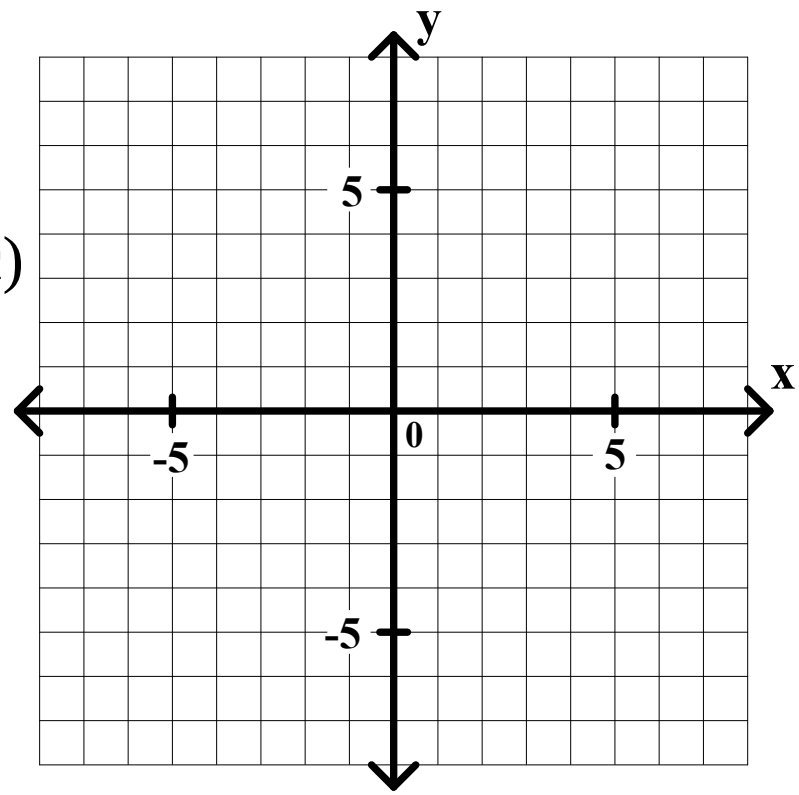

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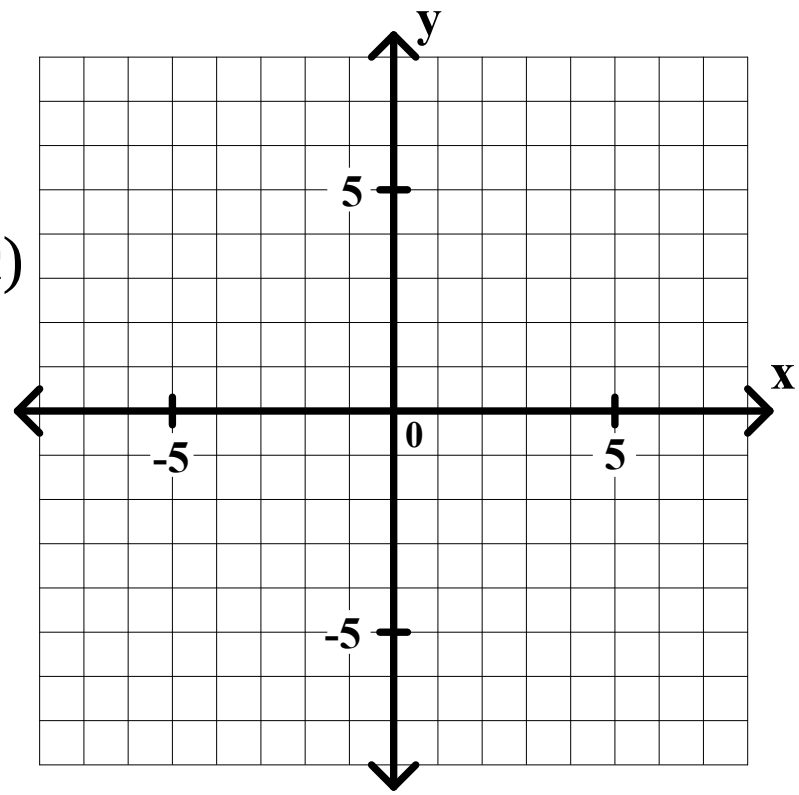

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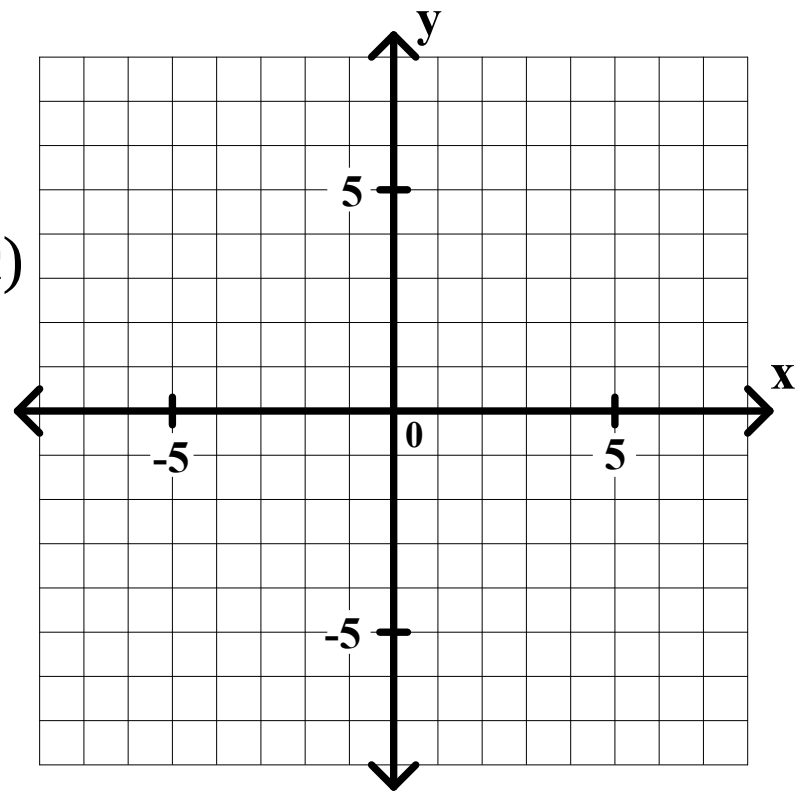

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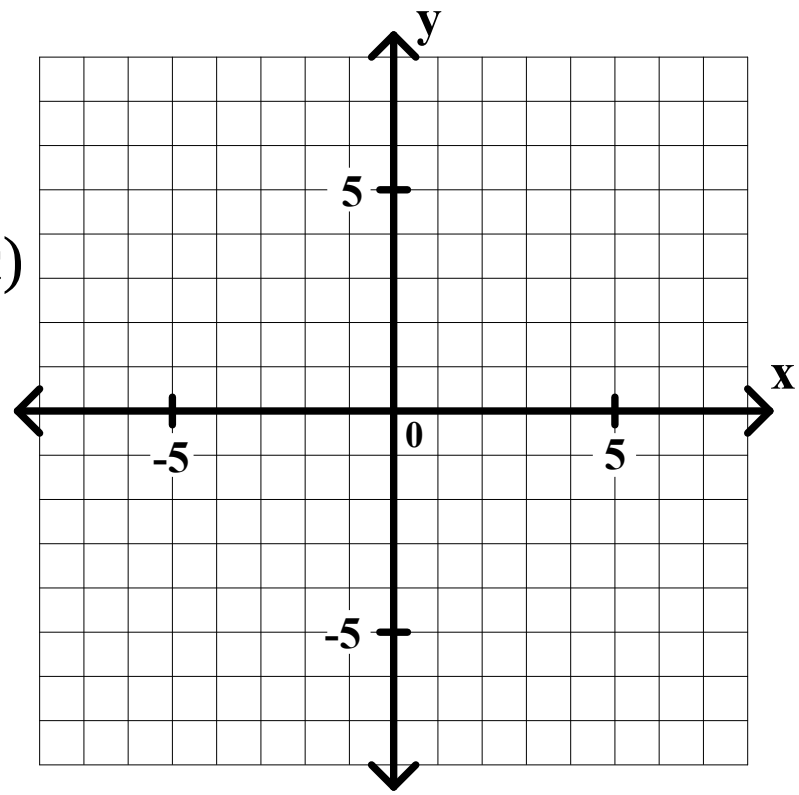

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The slope-intercept equation: $y = mx + b$.

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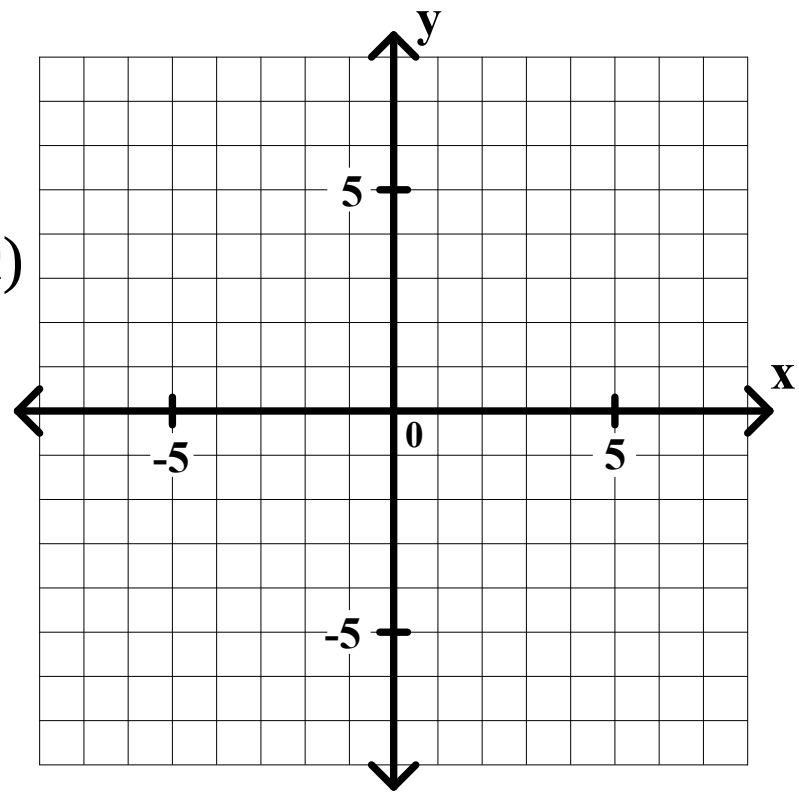

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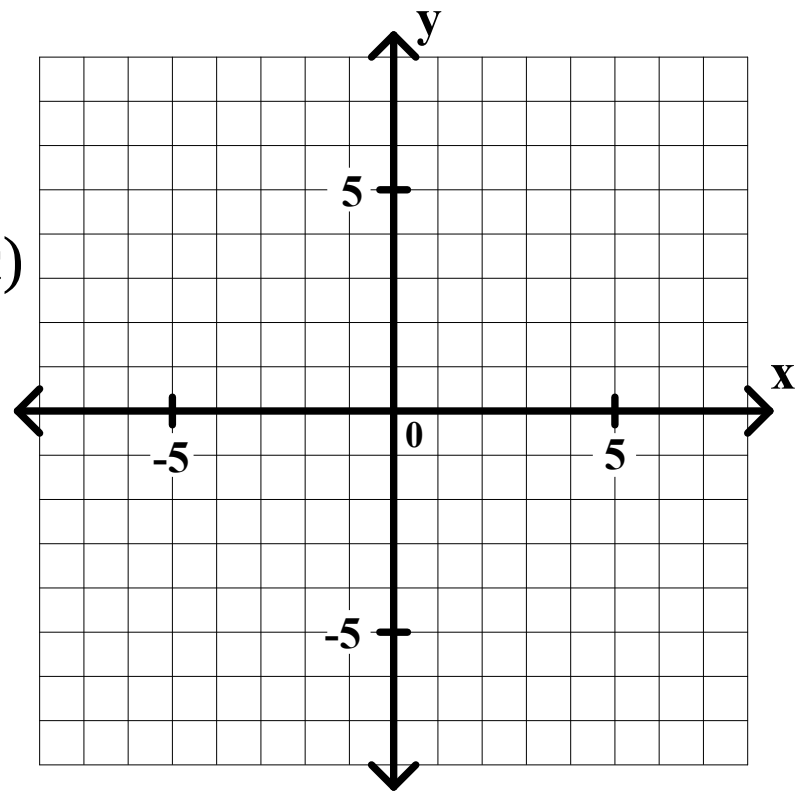

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Solve for y.

The slope-intercept equation: $y = mx + b$.

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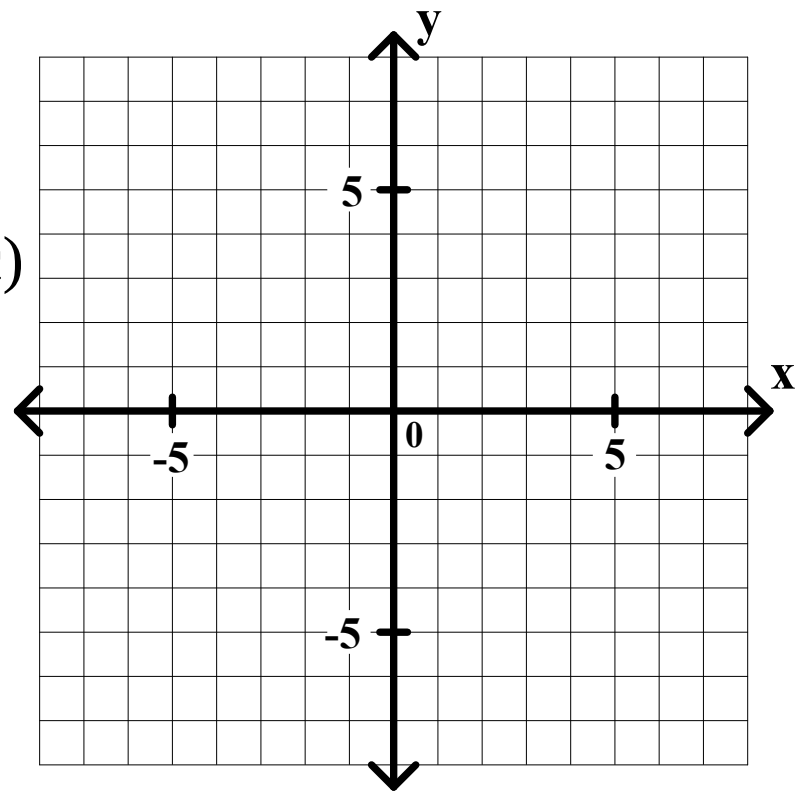

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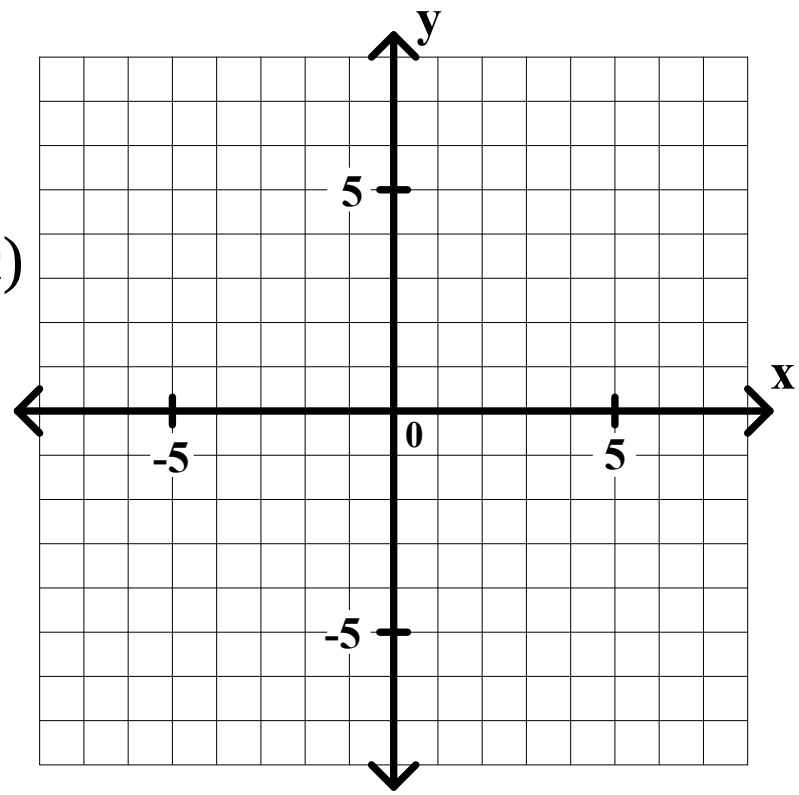

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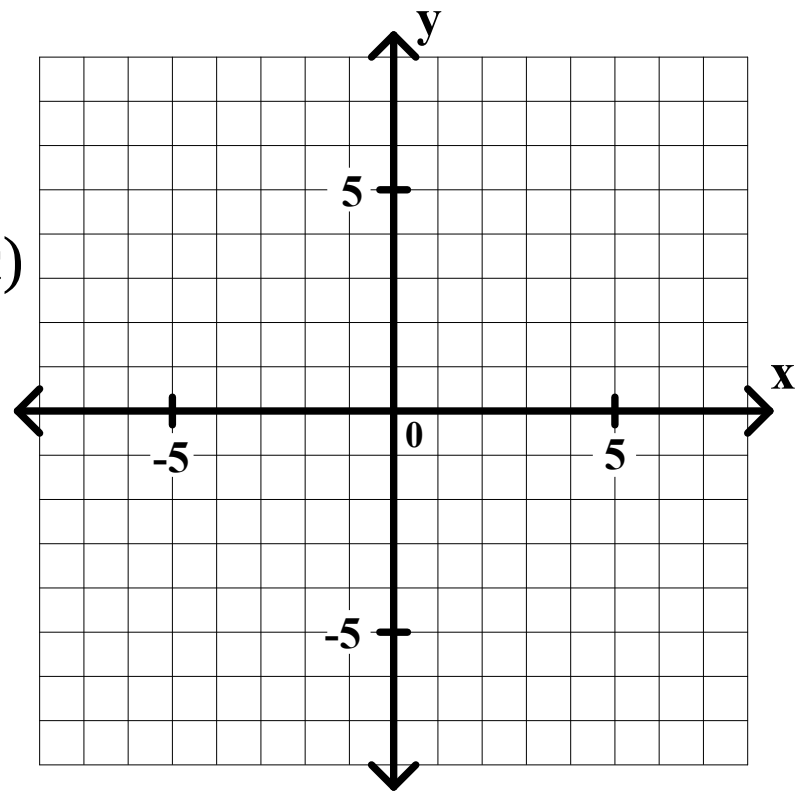

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Solve for y.

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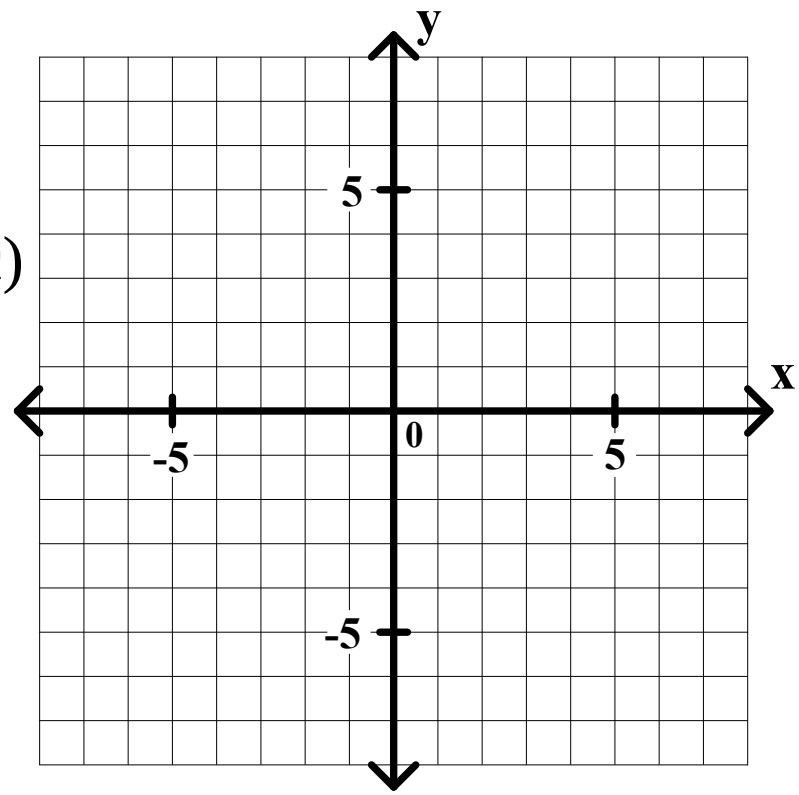

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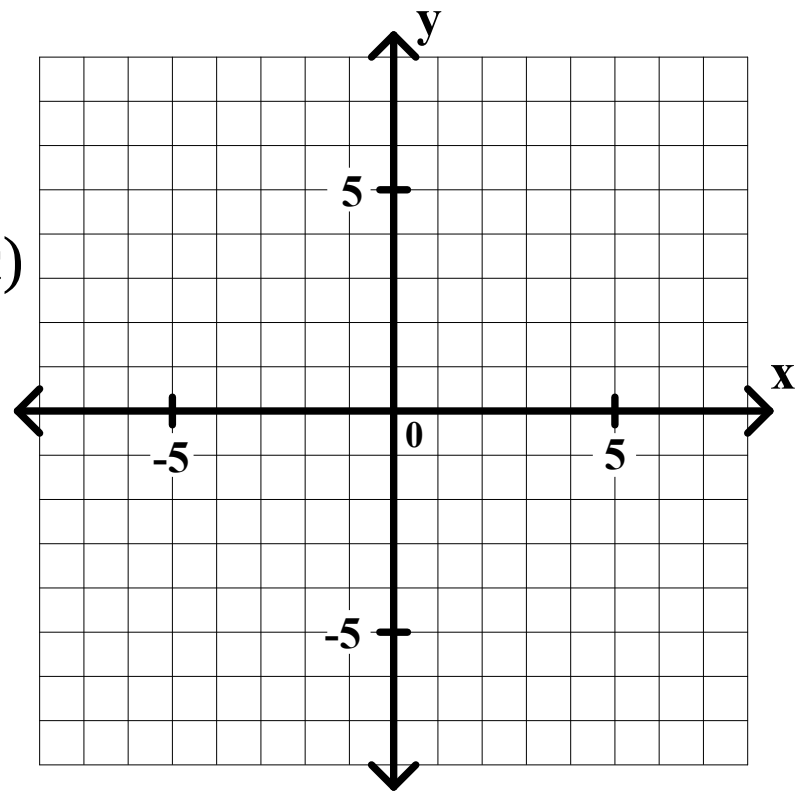

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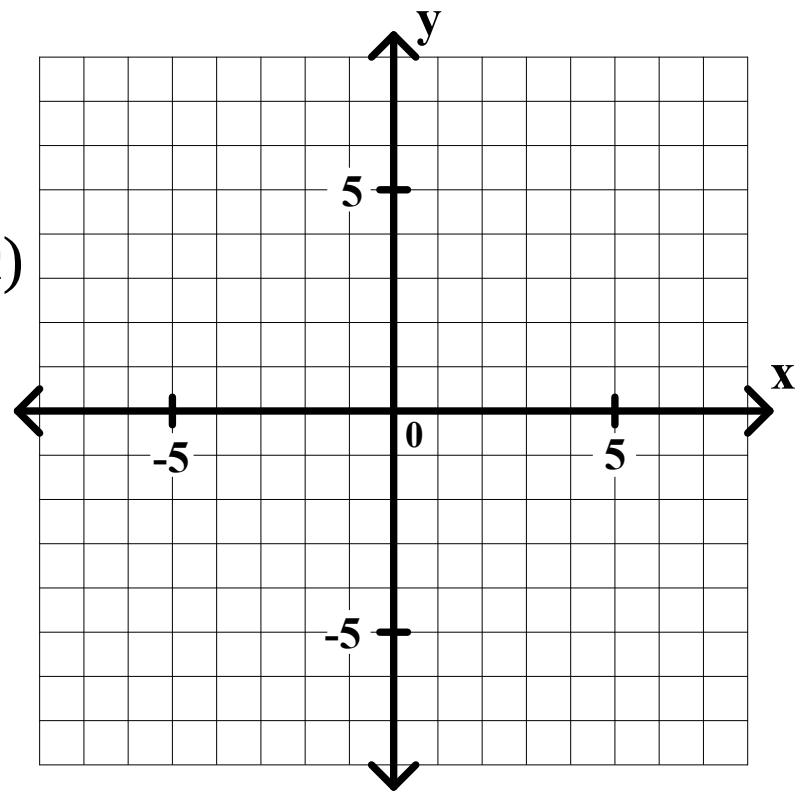

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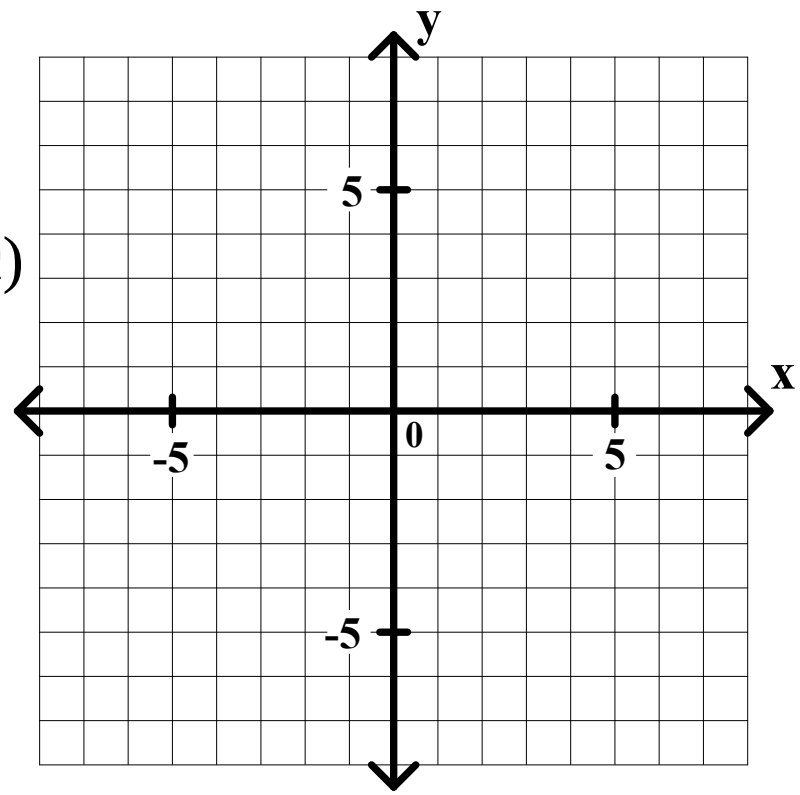

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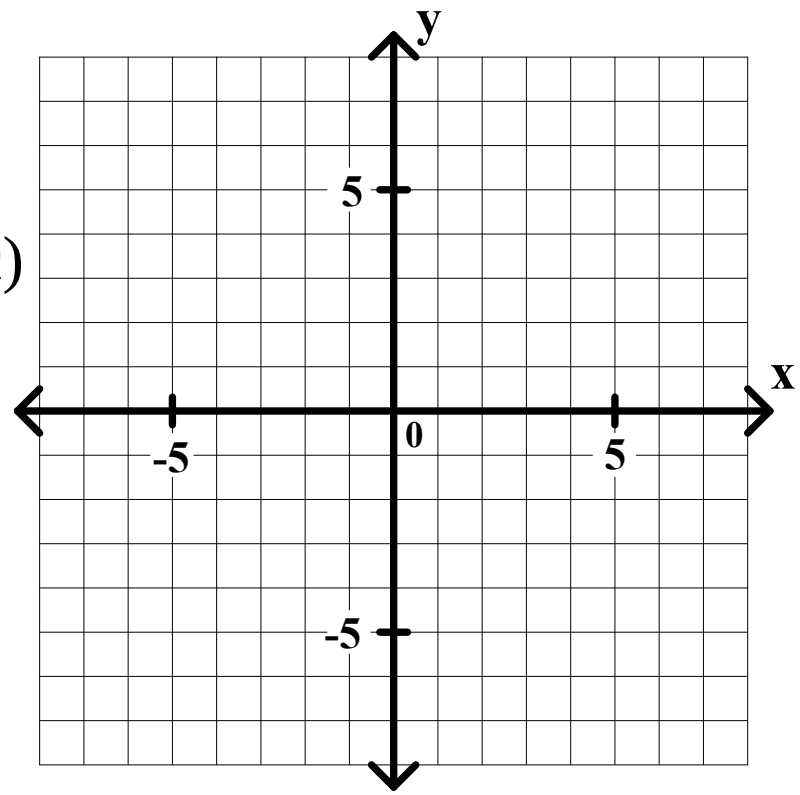

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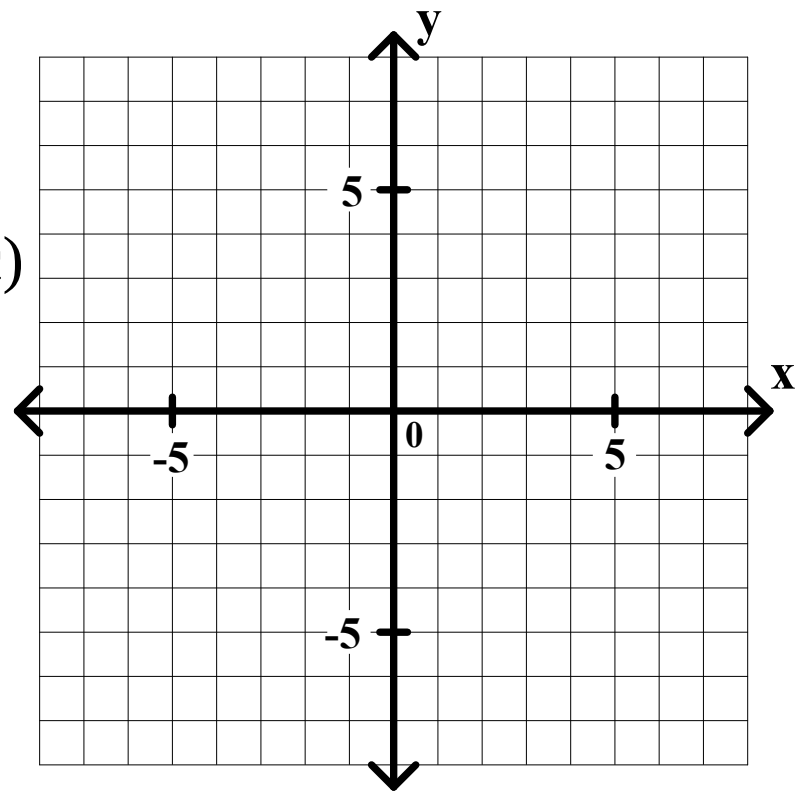

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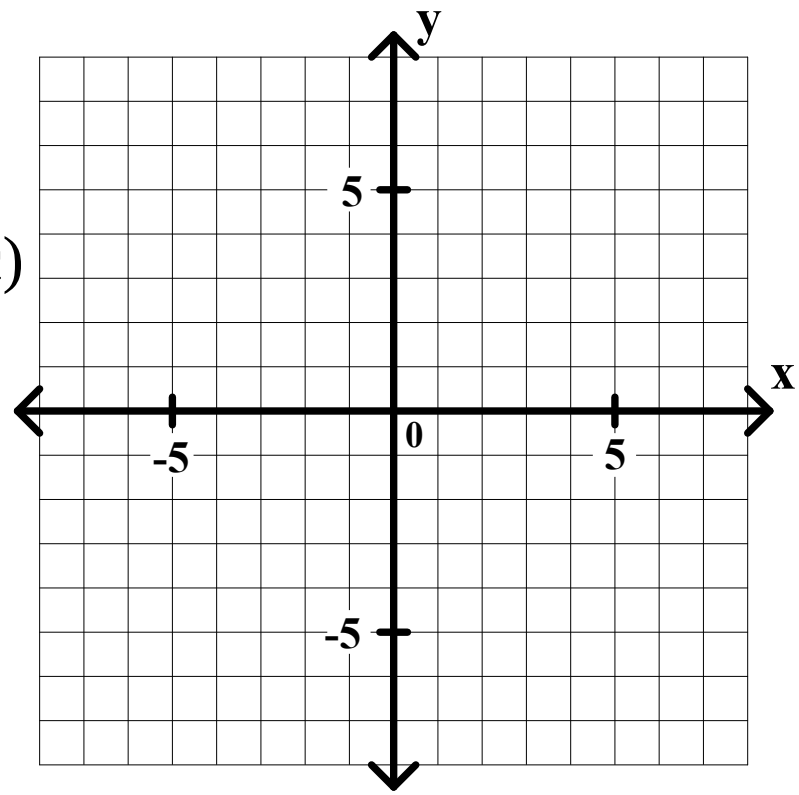

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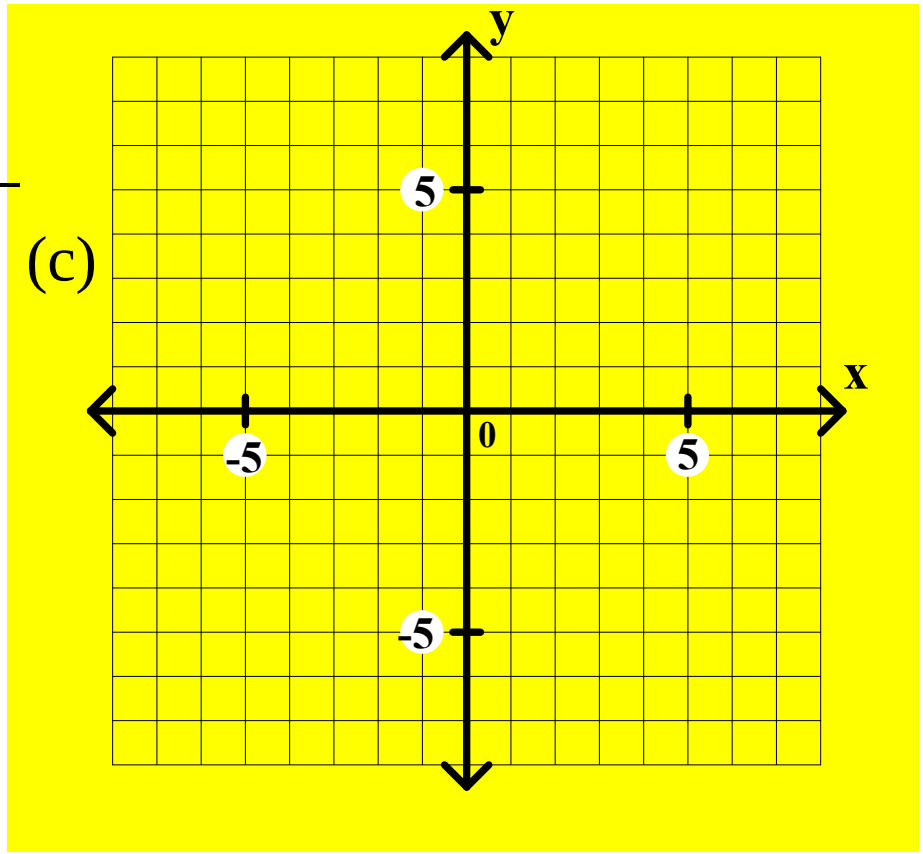

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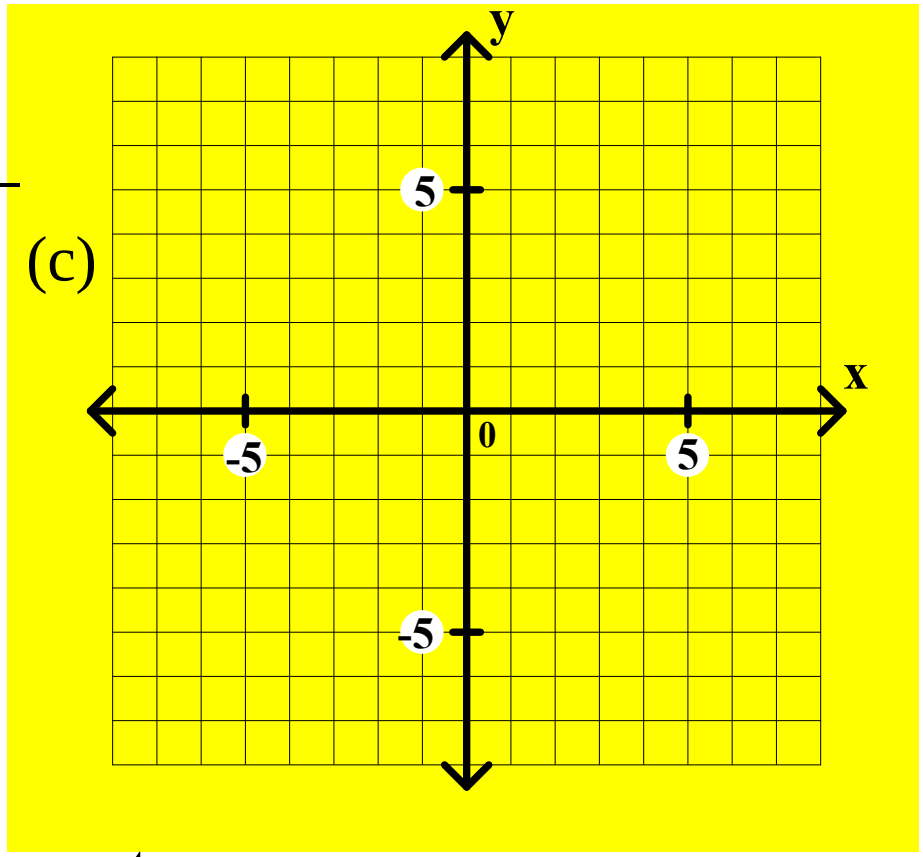

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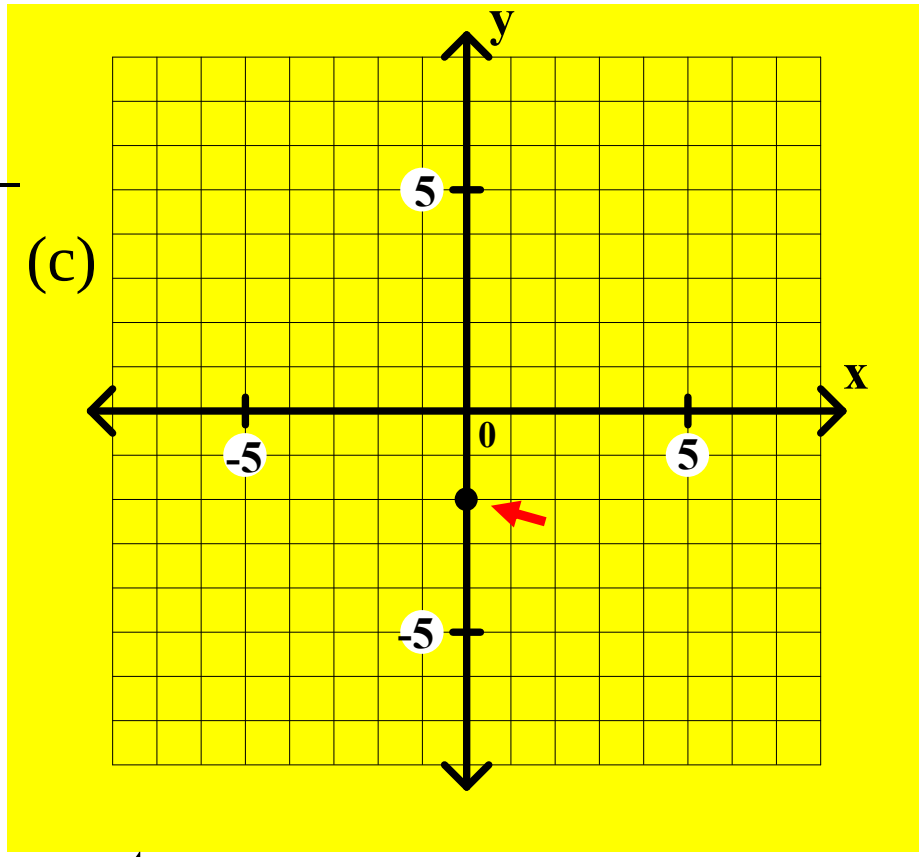

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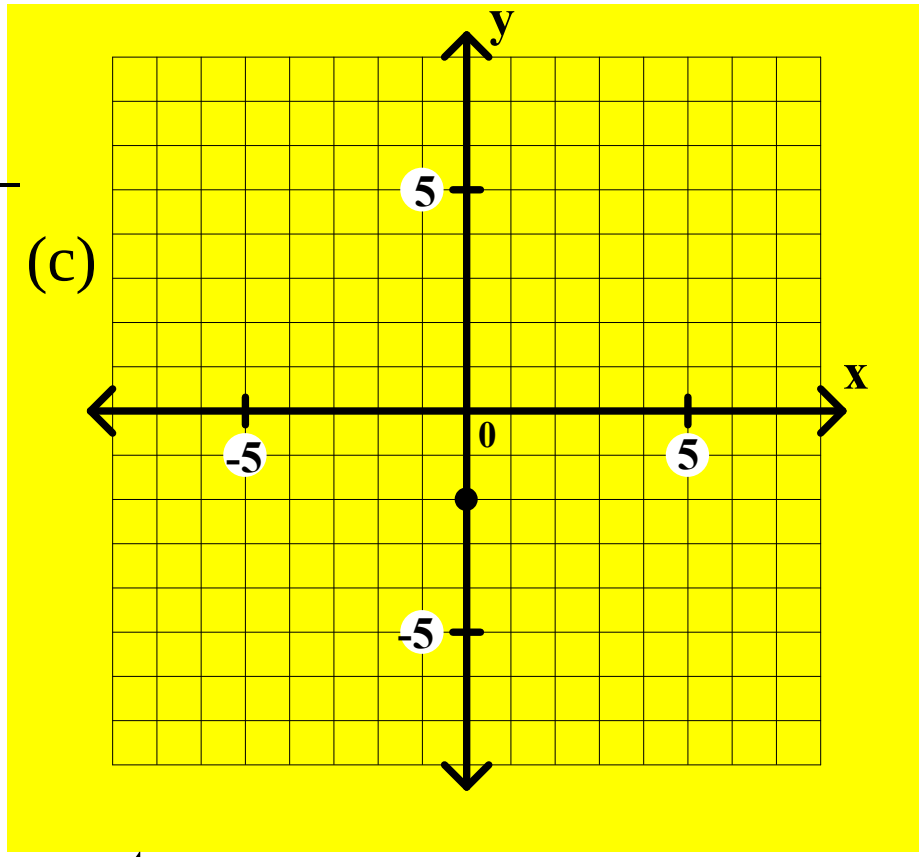

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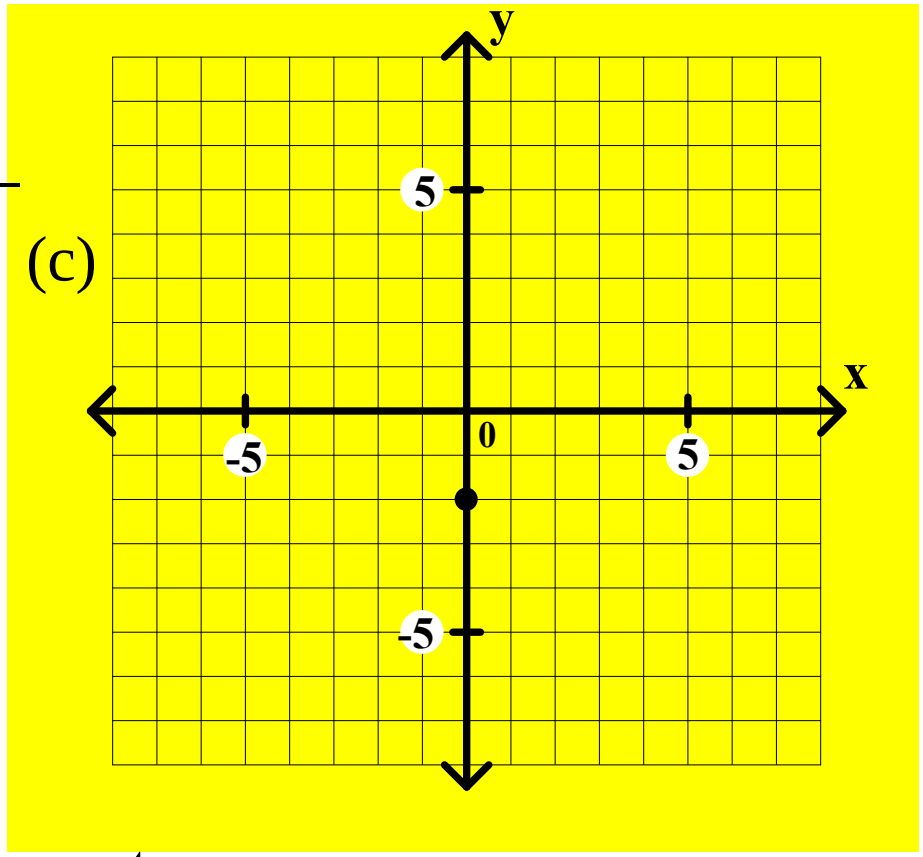

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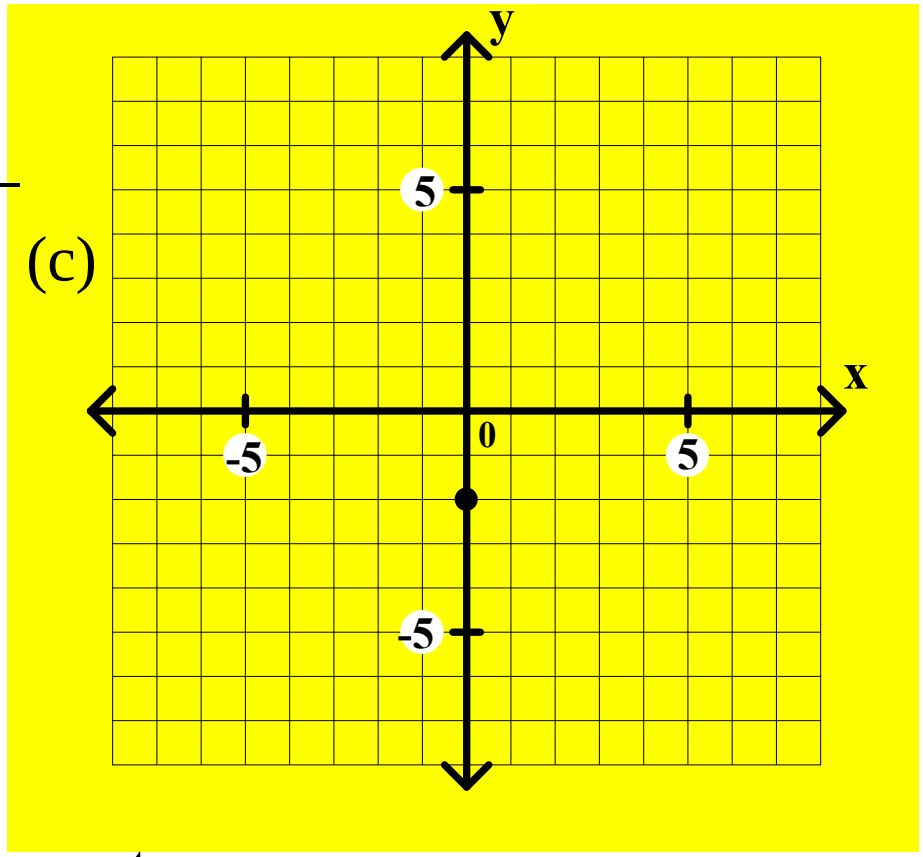

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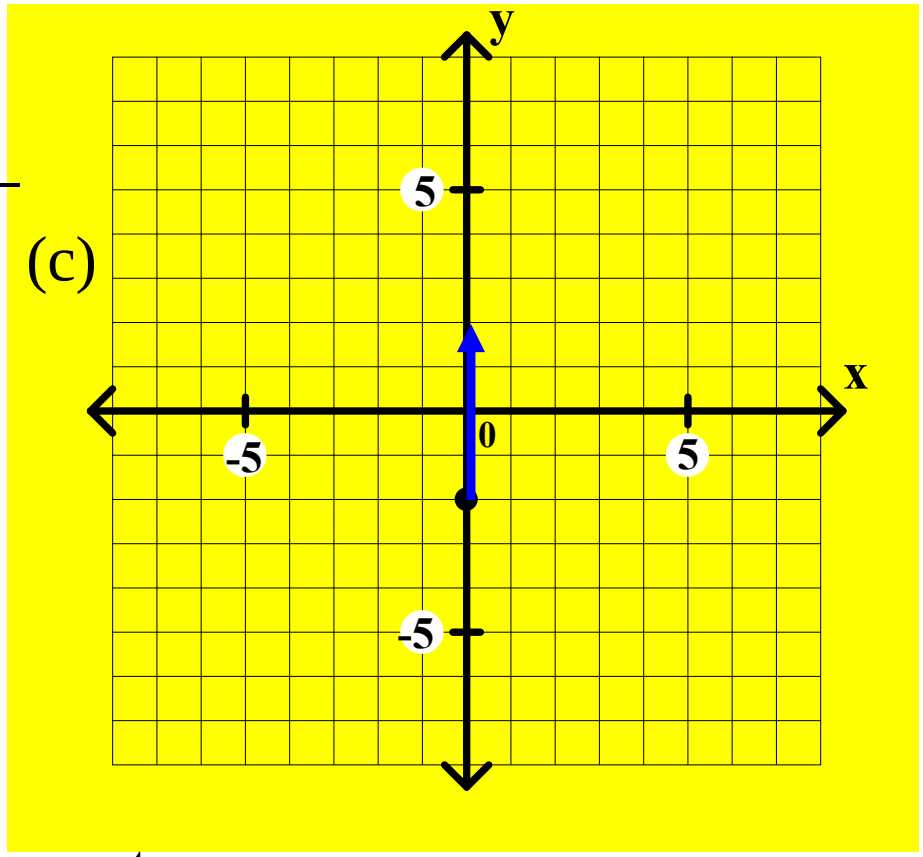

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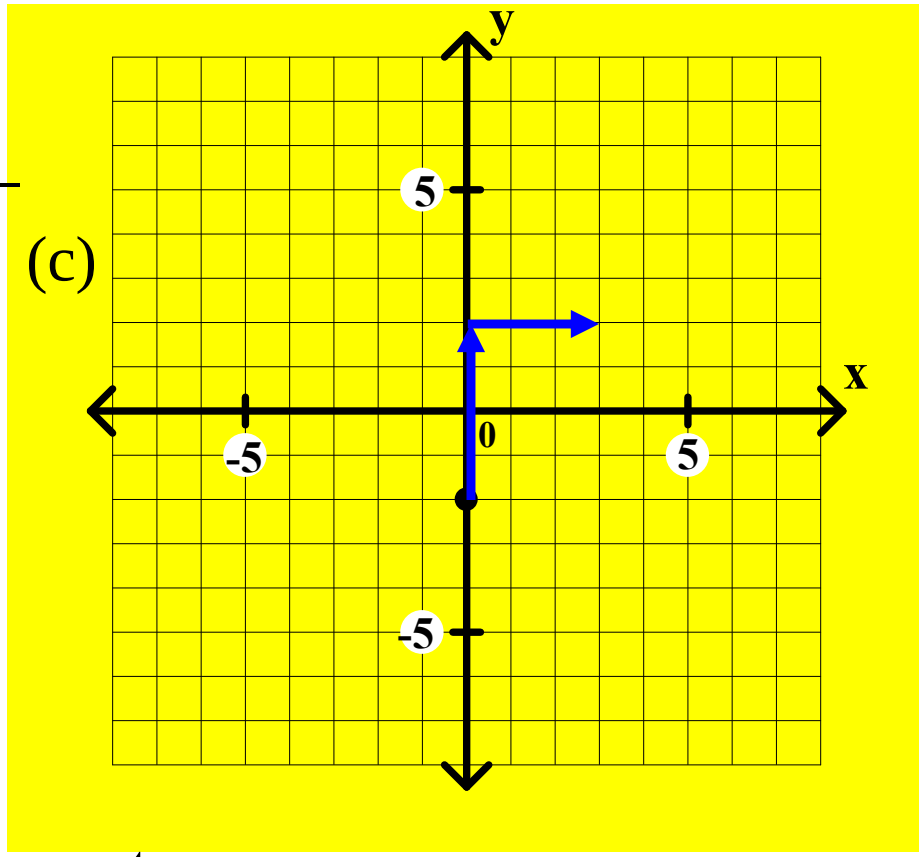

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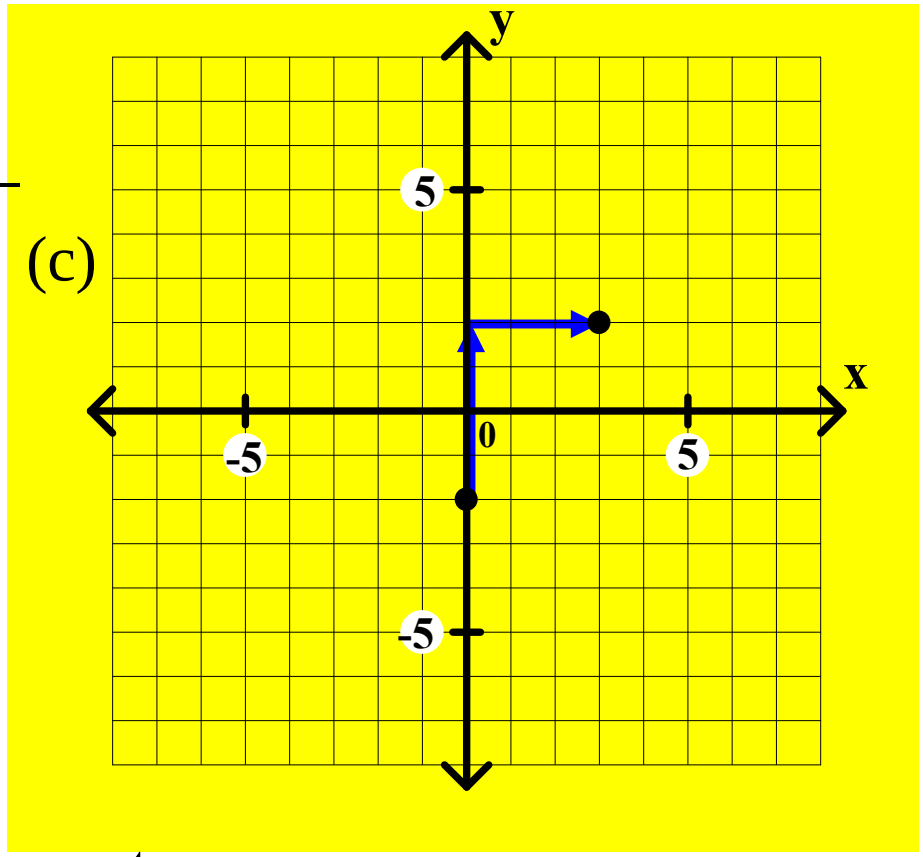

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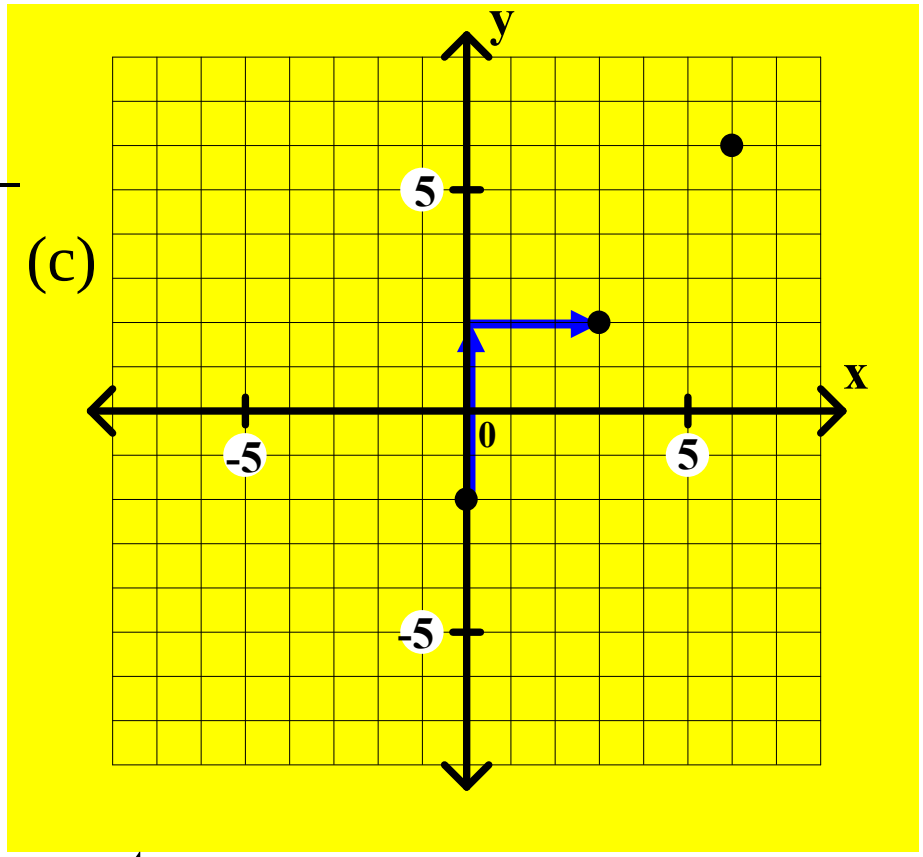

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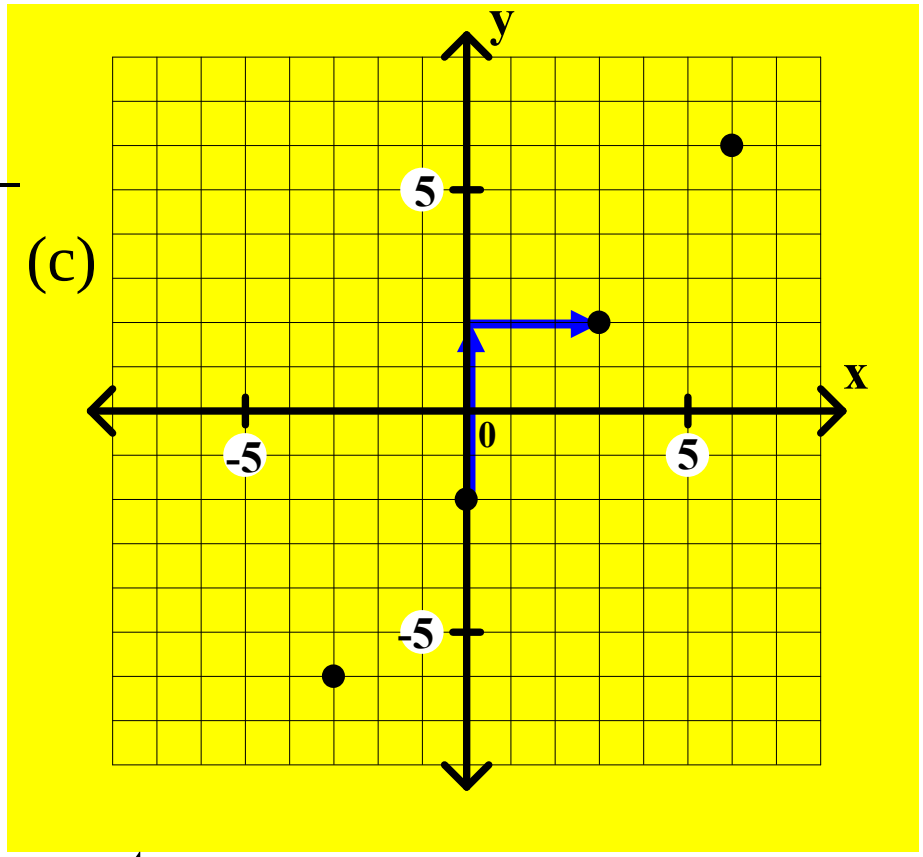

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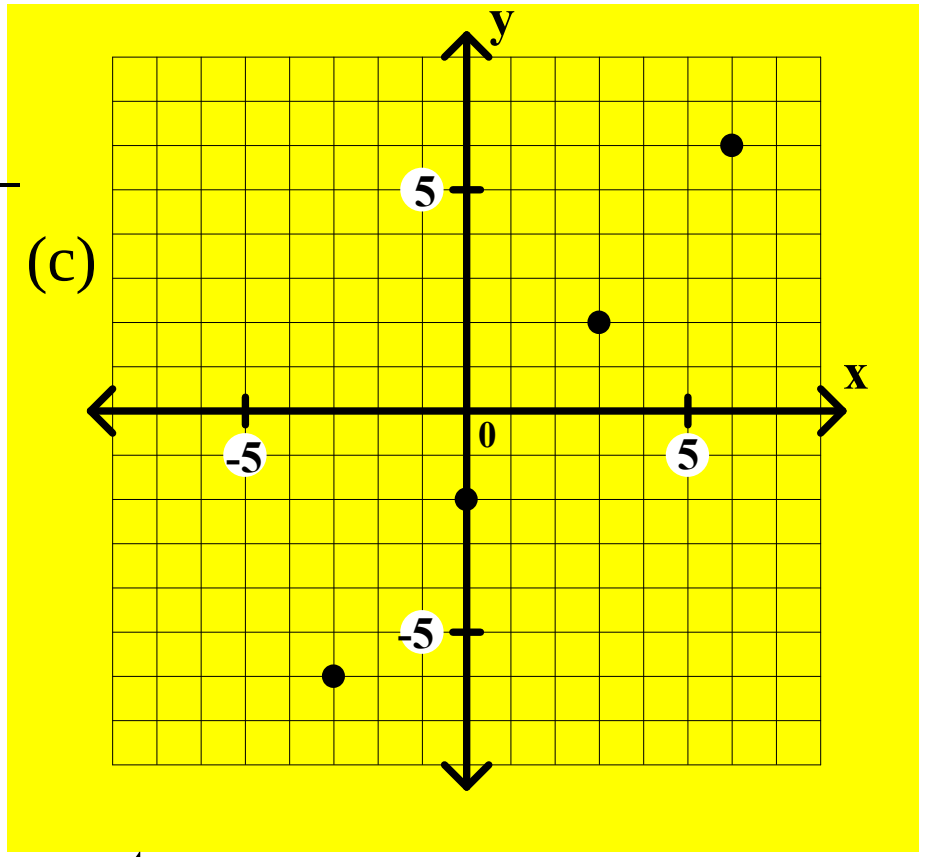

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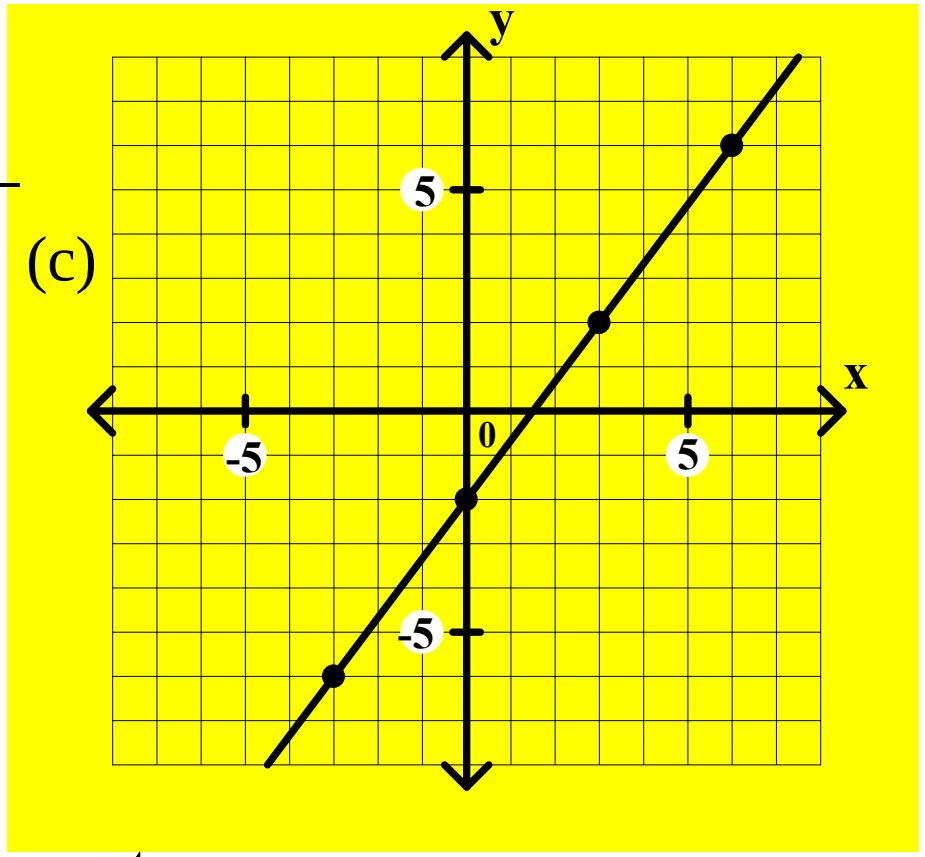

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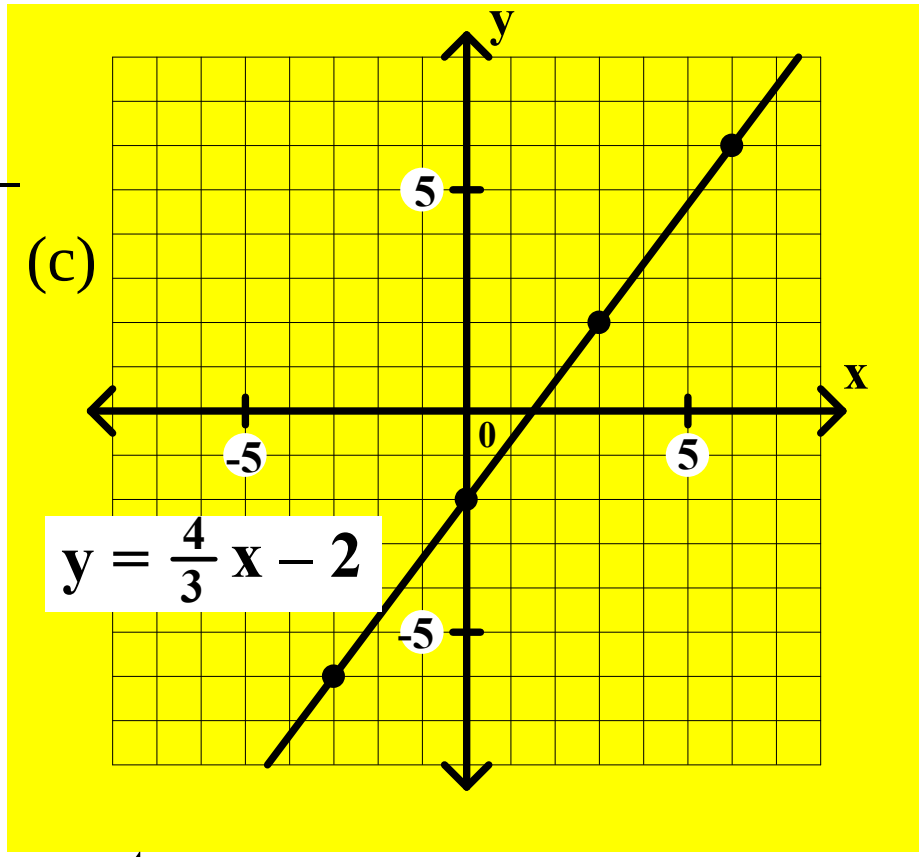

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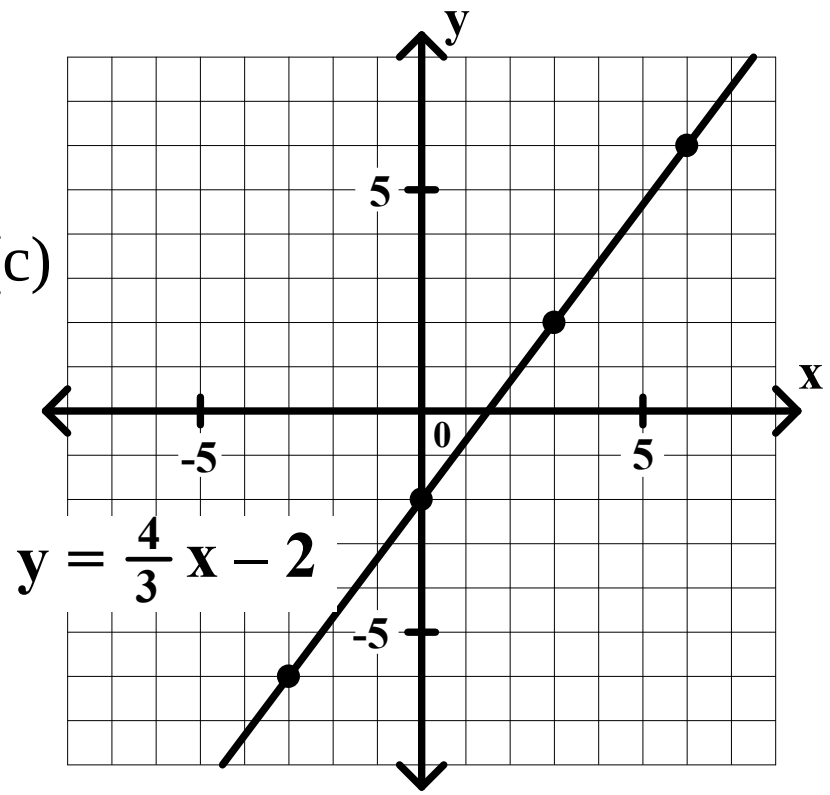

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General Algebra II CWS #1 Unit 2

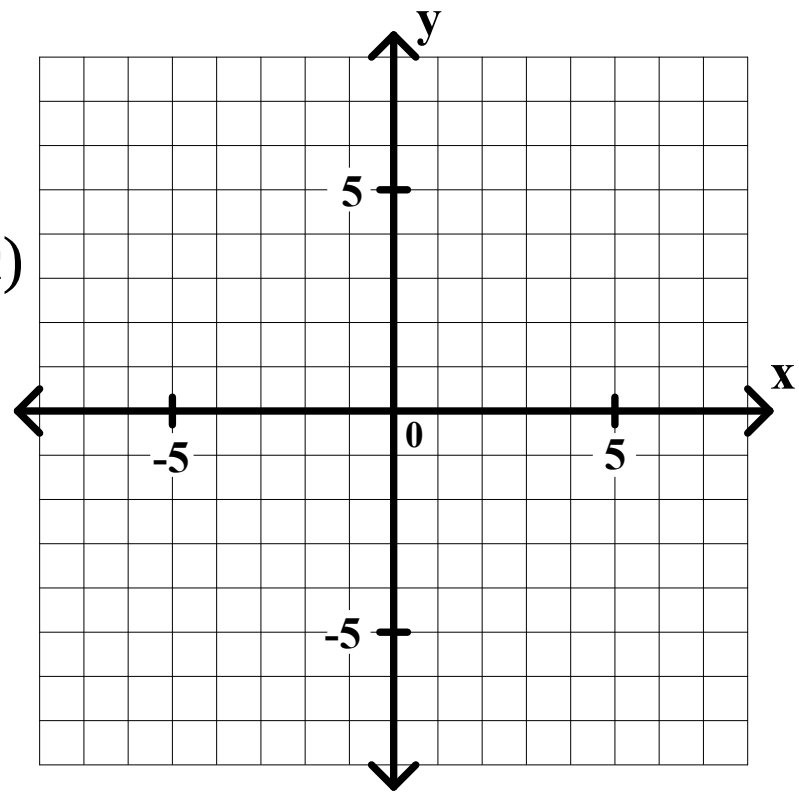
2. $2x + 5y = -10$

(a) x intercept: ___ y intercept: ___

(b) slope-intercept equation:

_____

(c)



General Algebra II CWS #1 Unit 2

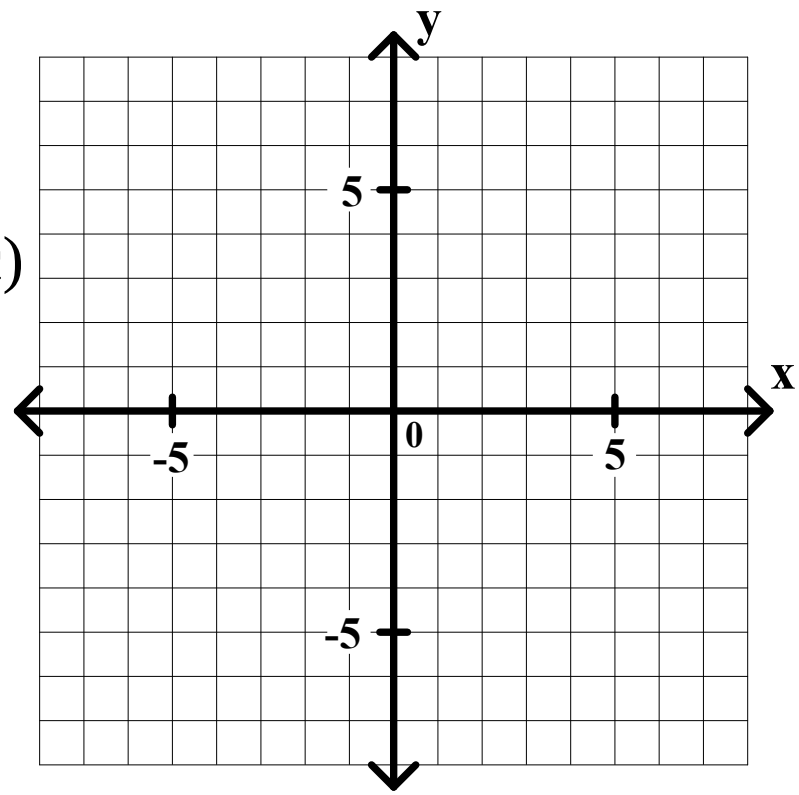
2. $2x + 5y = -10$

(a) x intercept: ___ y intercept: ___

(b) slope-intercept equation:

_____

(c)



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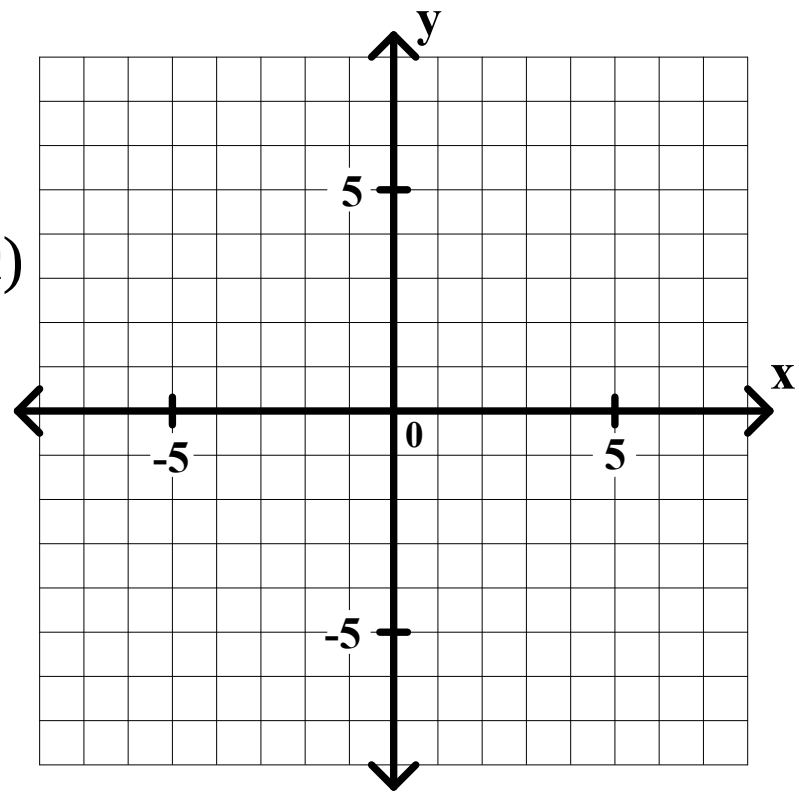

The x-intercept is the value of x when y = 0.

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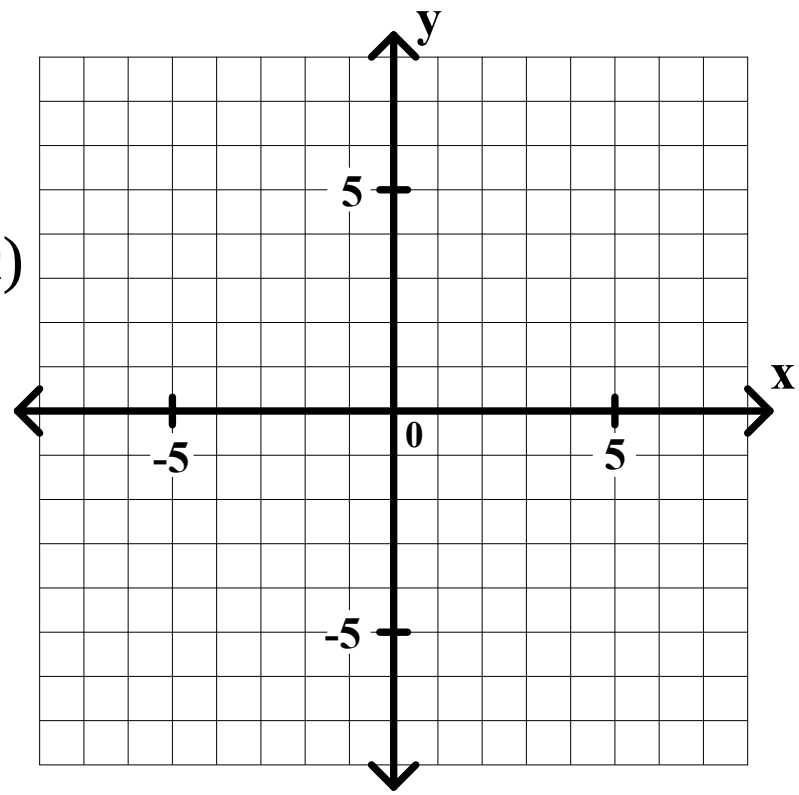

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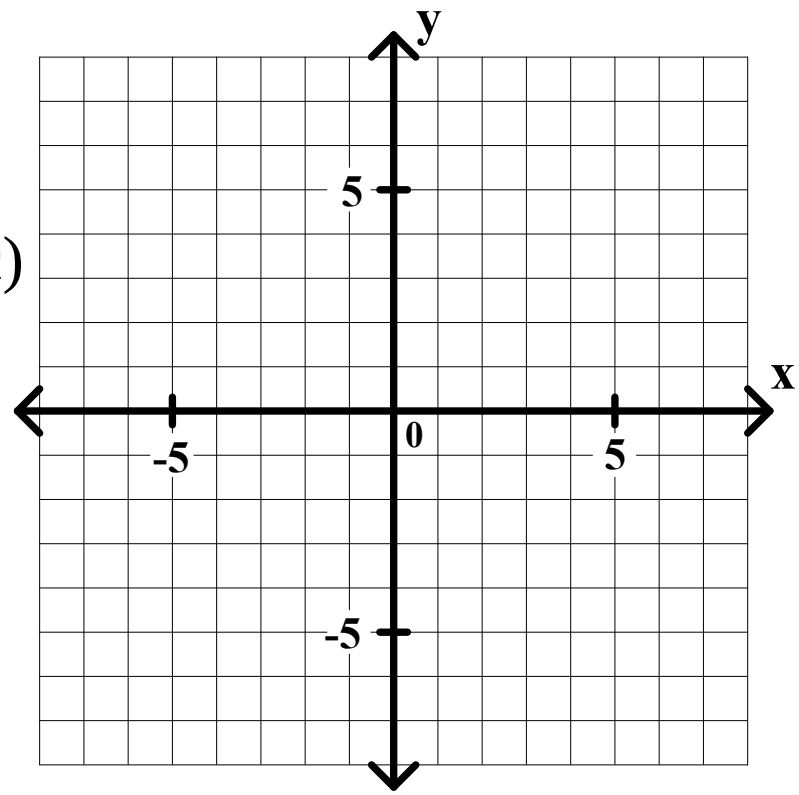

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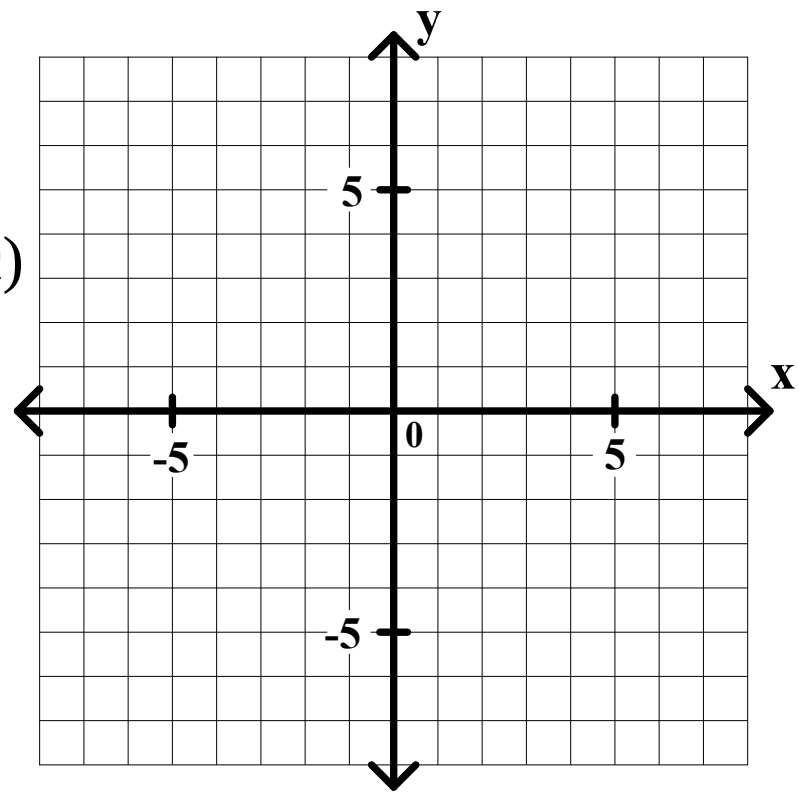

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$2x + 5(0)$

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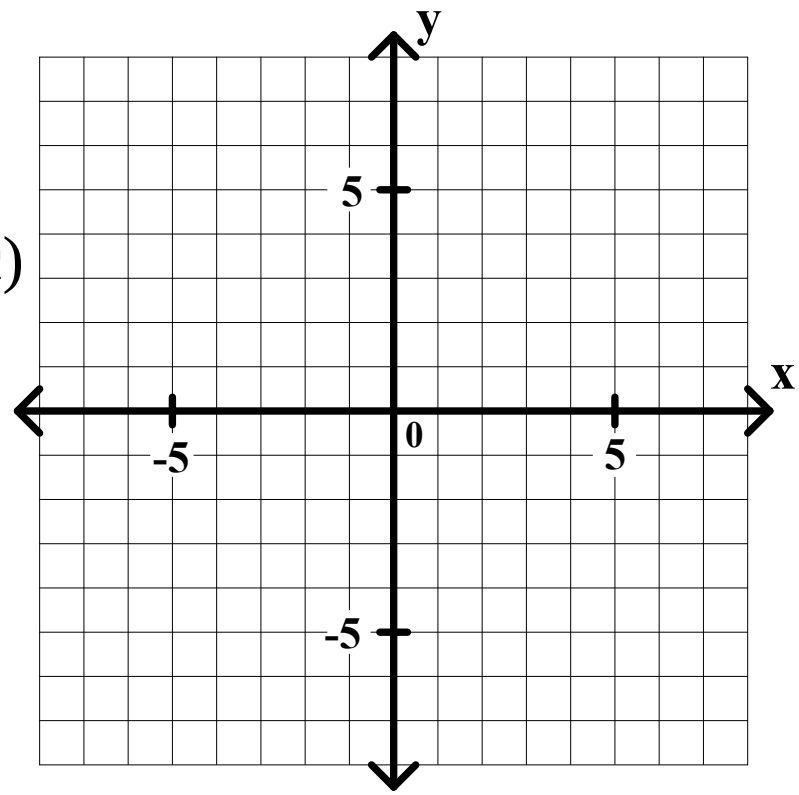

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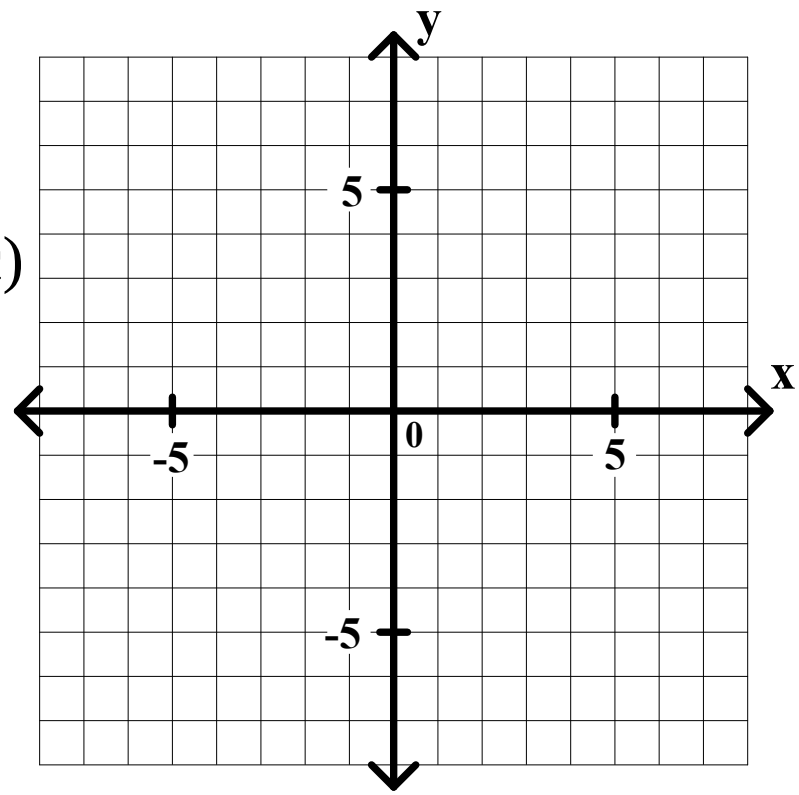

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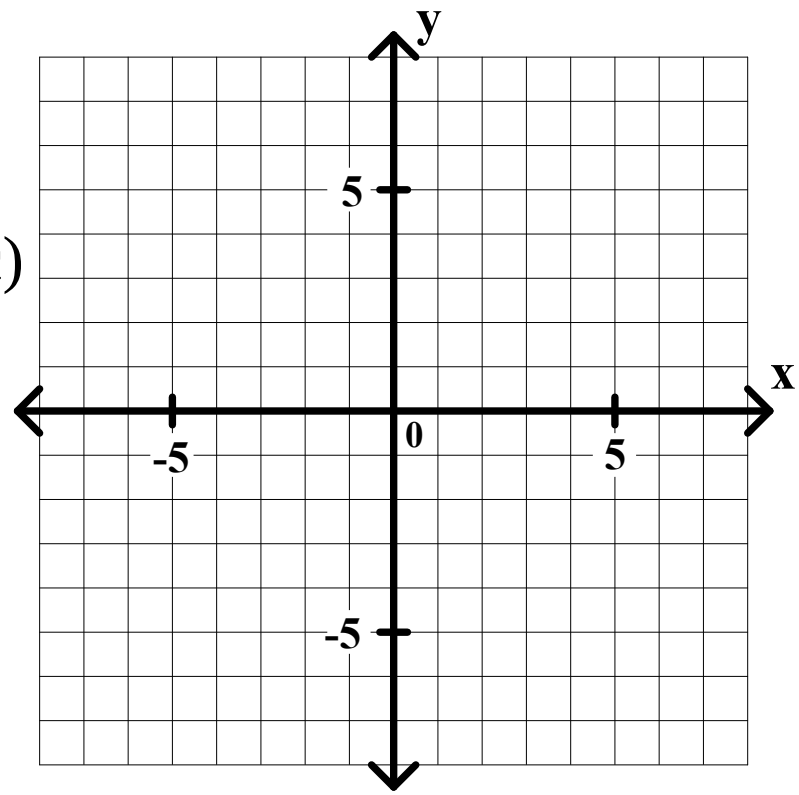

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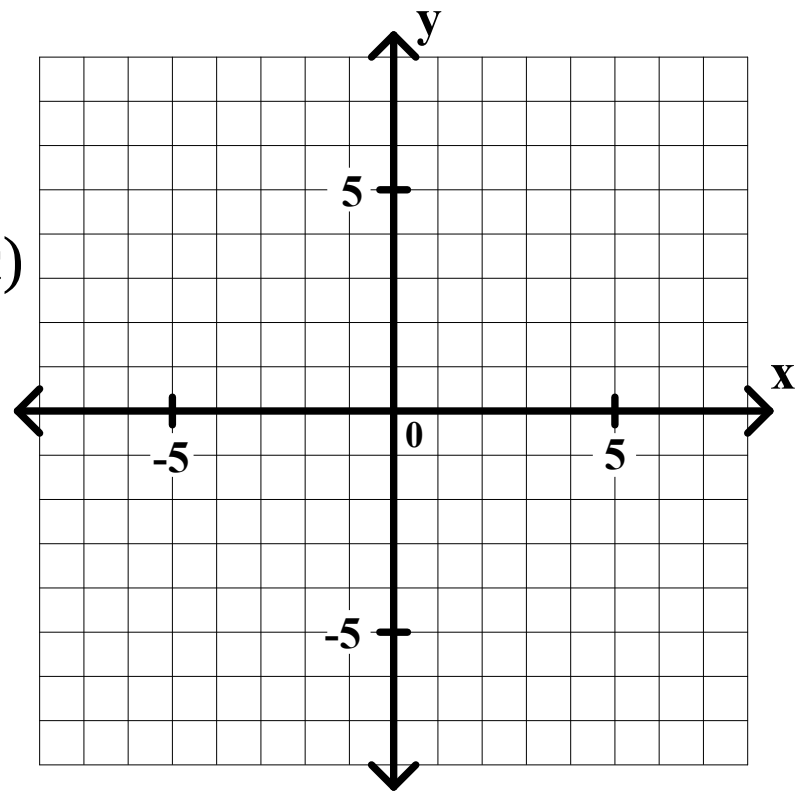

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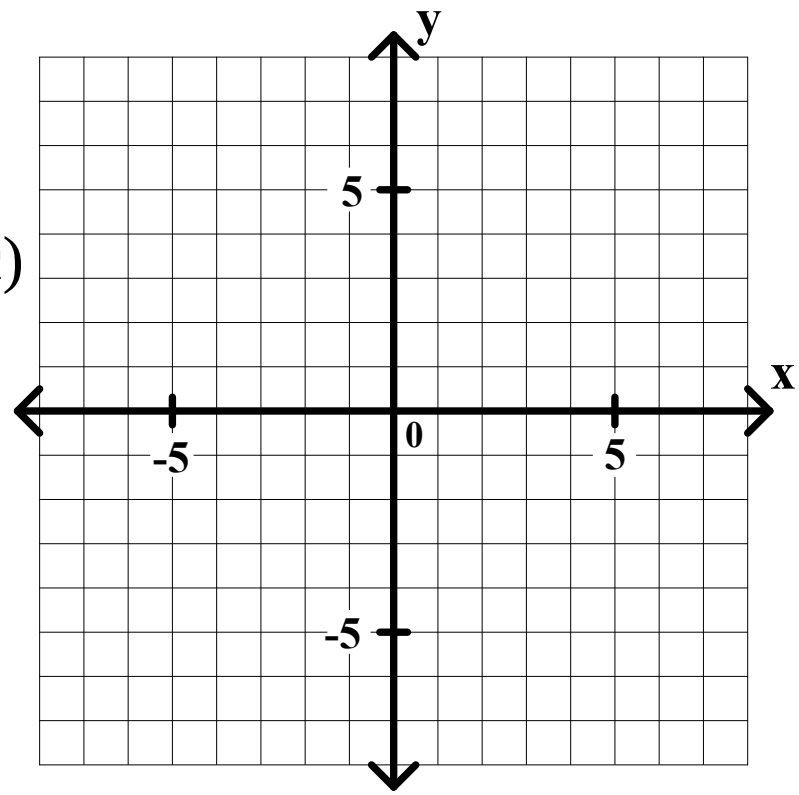

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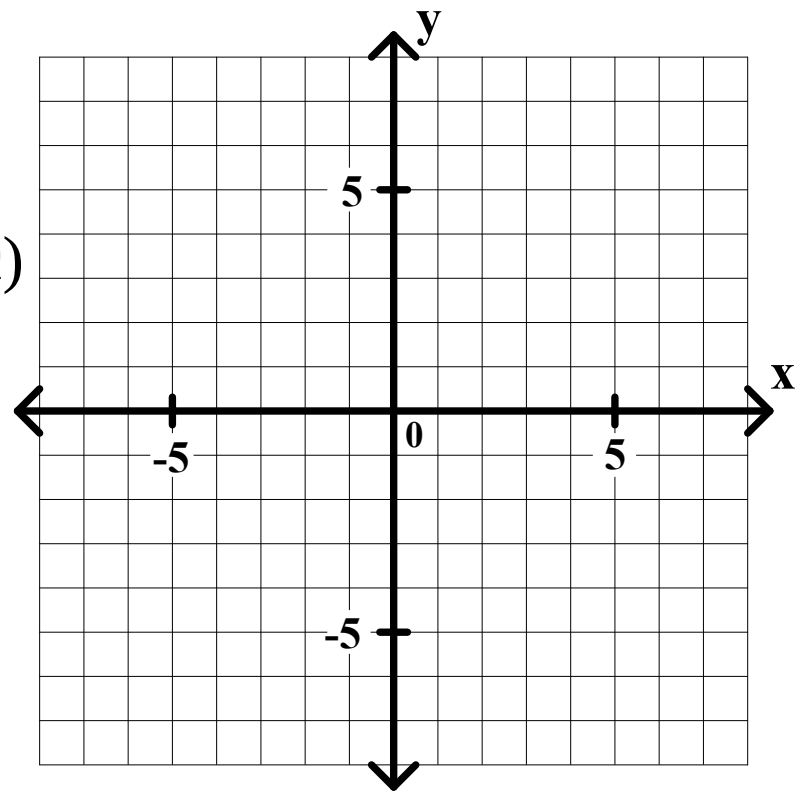

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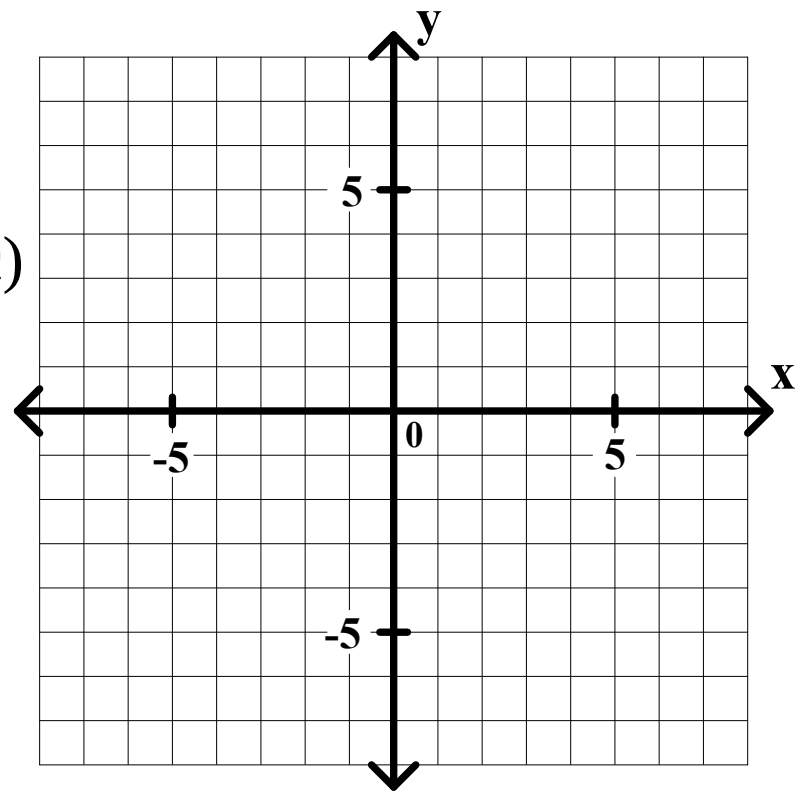

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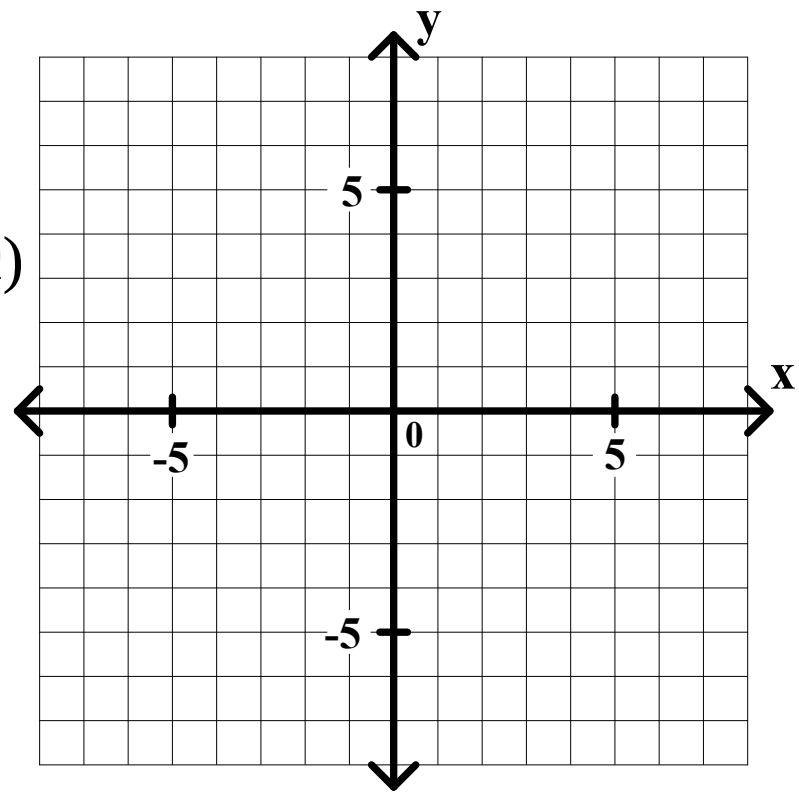

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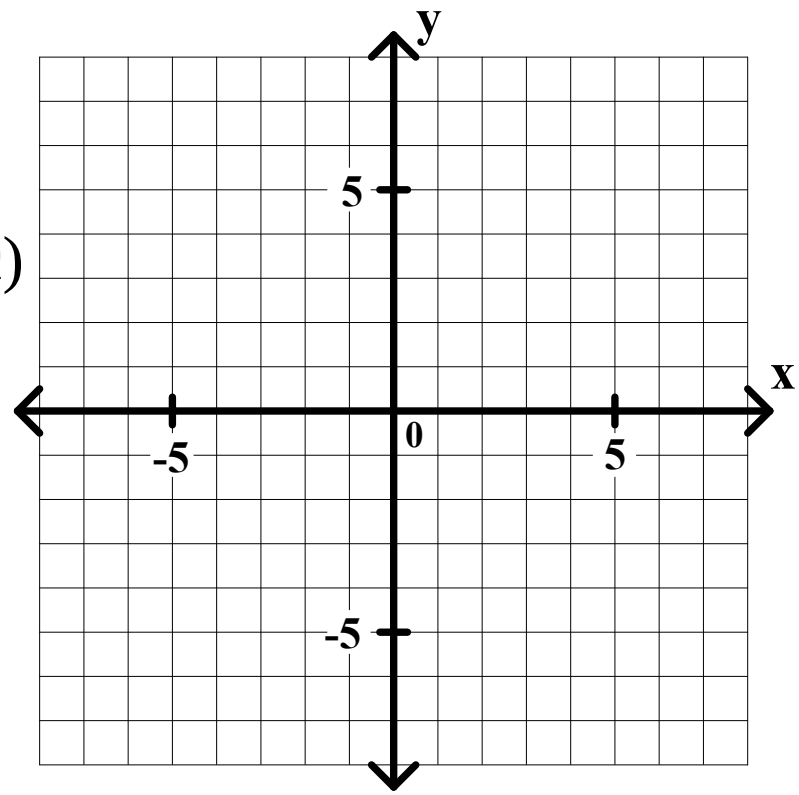

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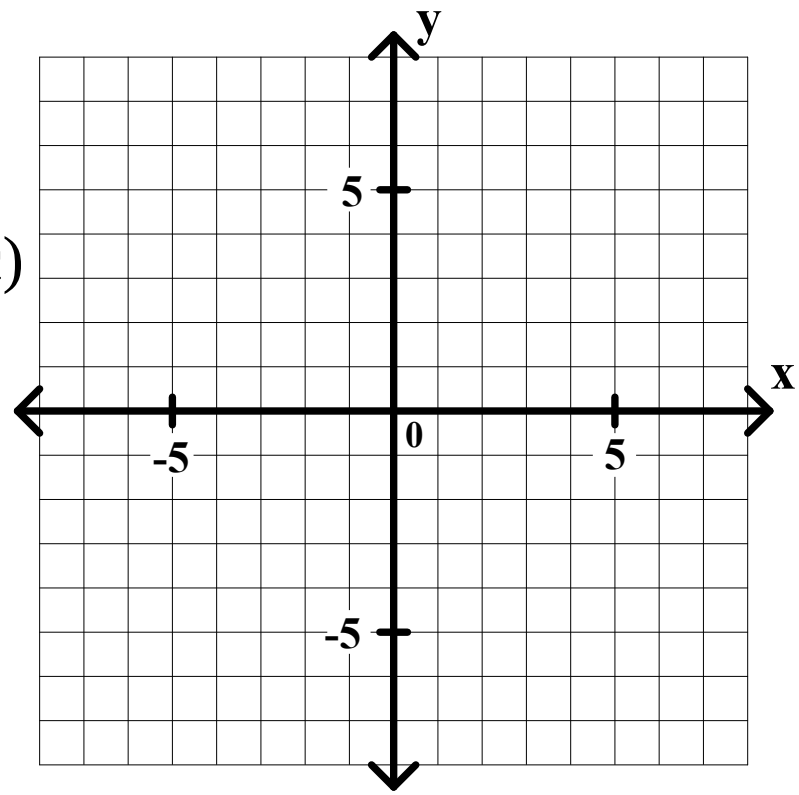

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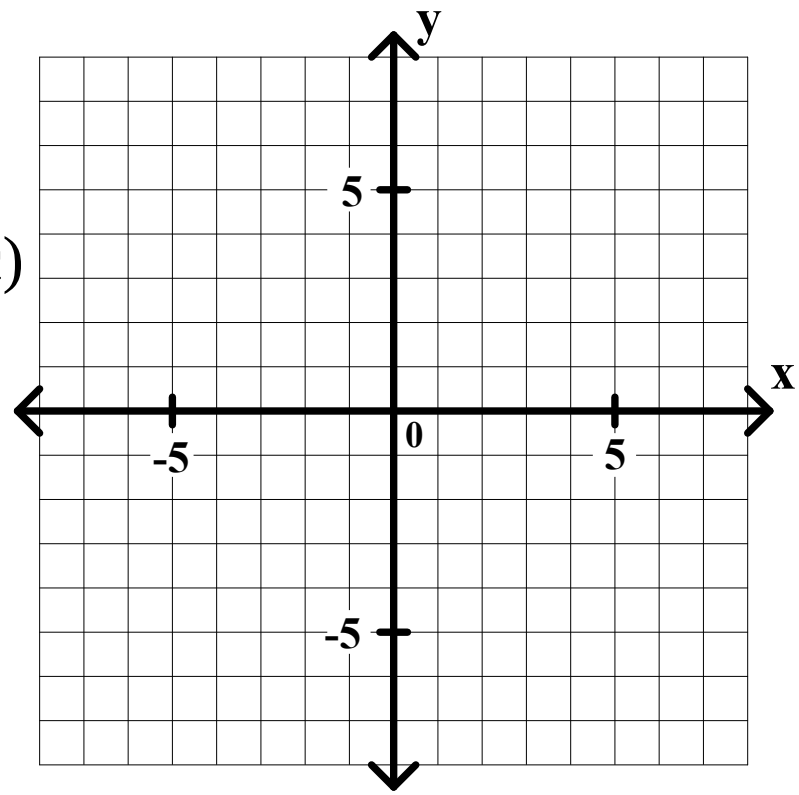

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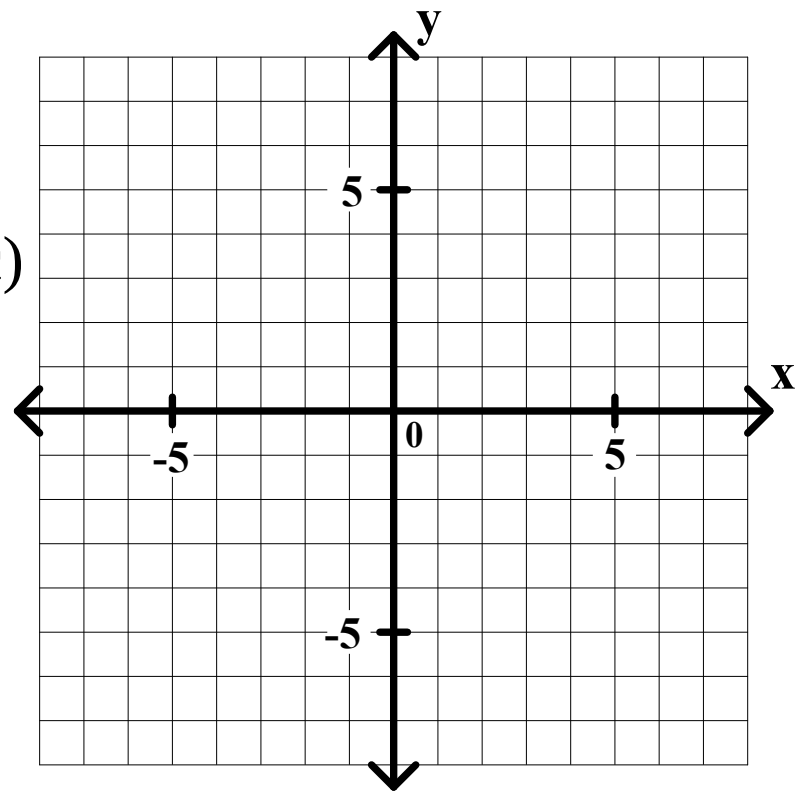

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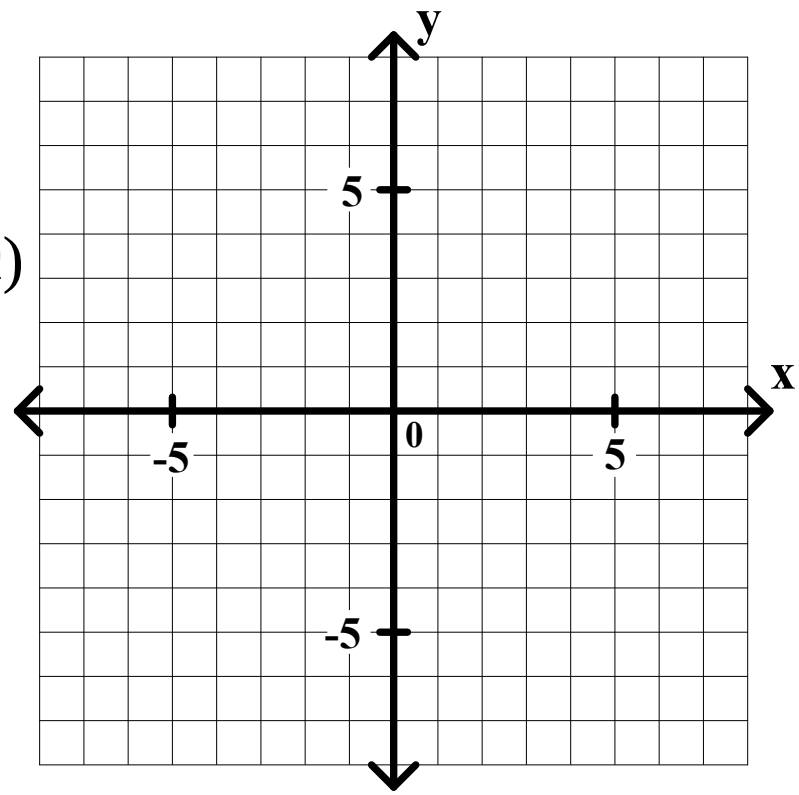

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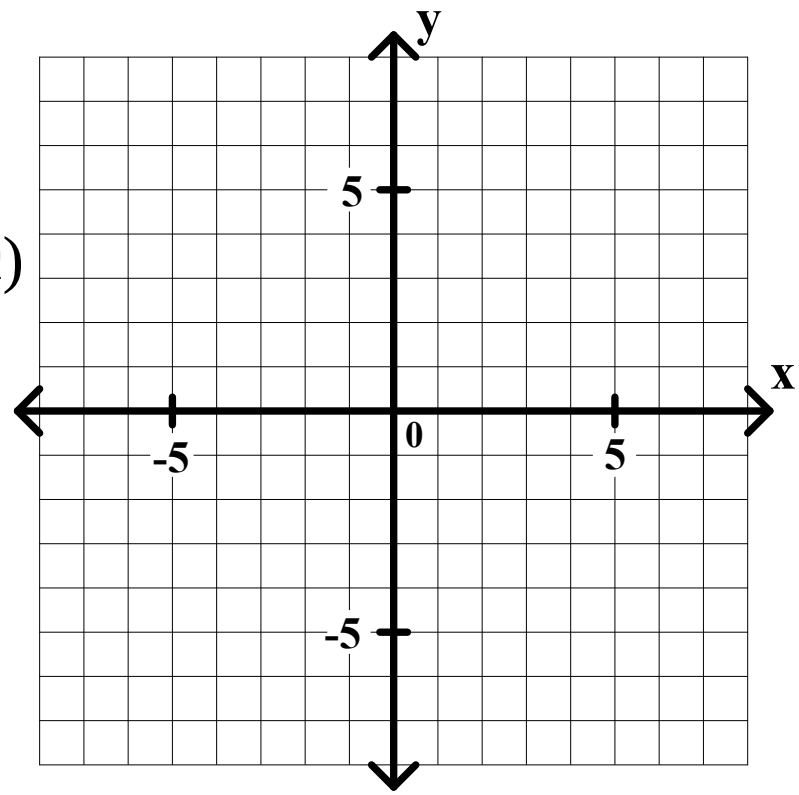

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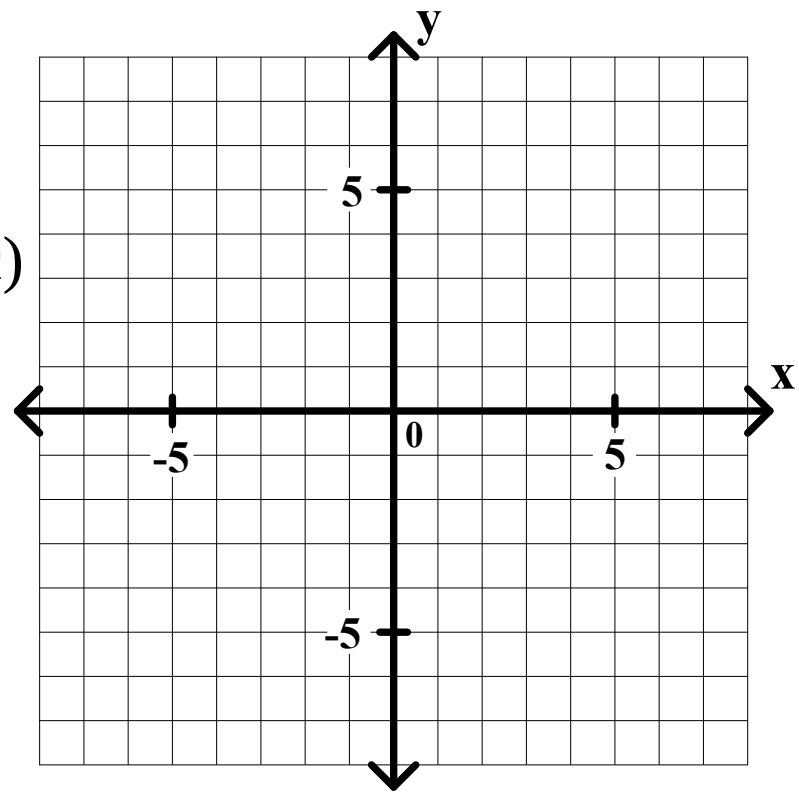

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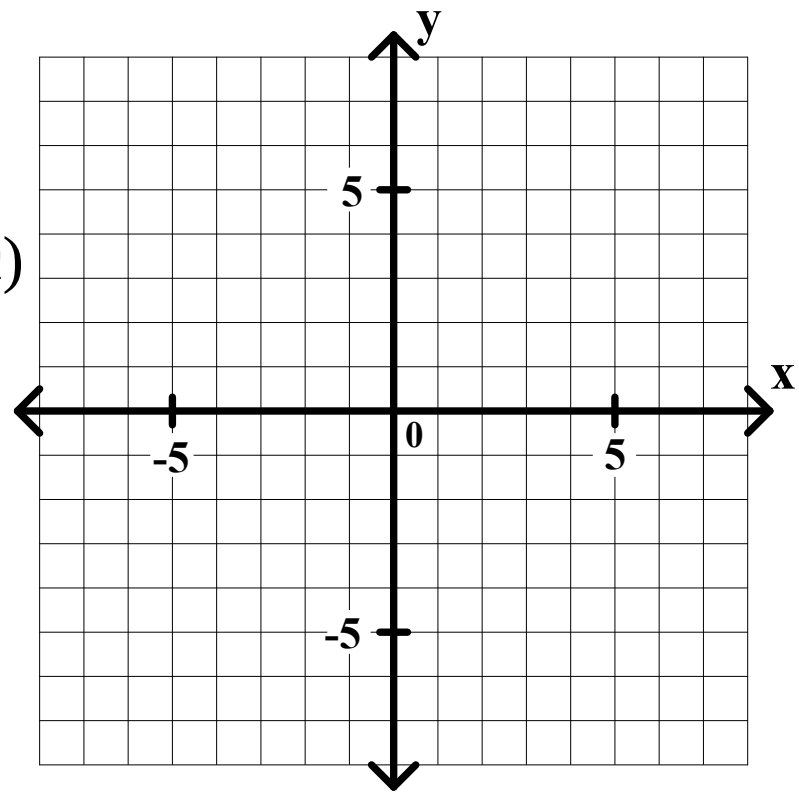

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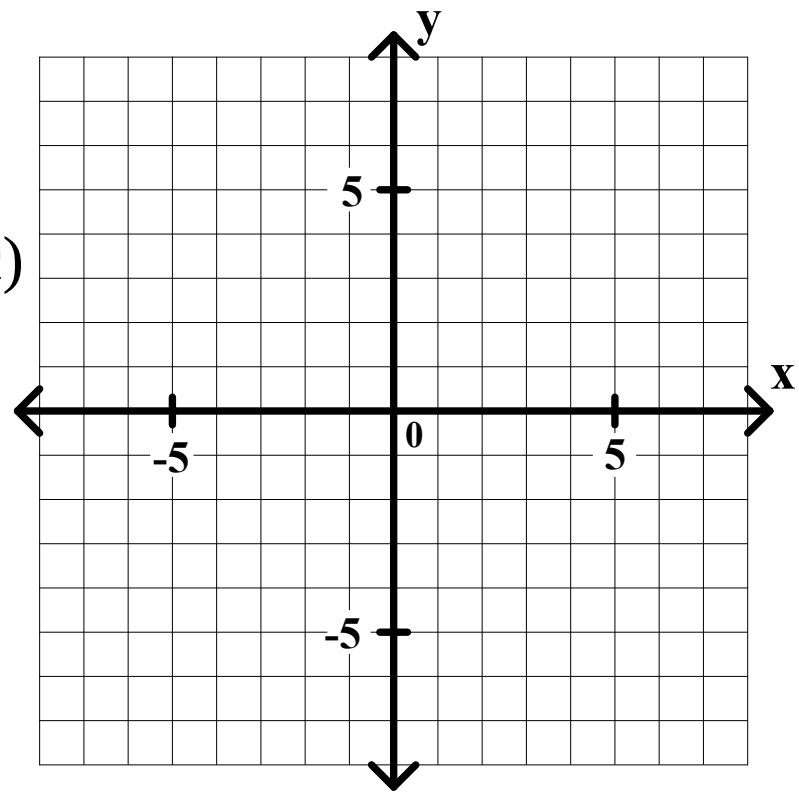

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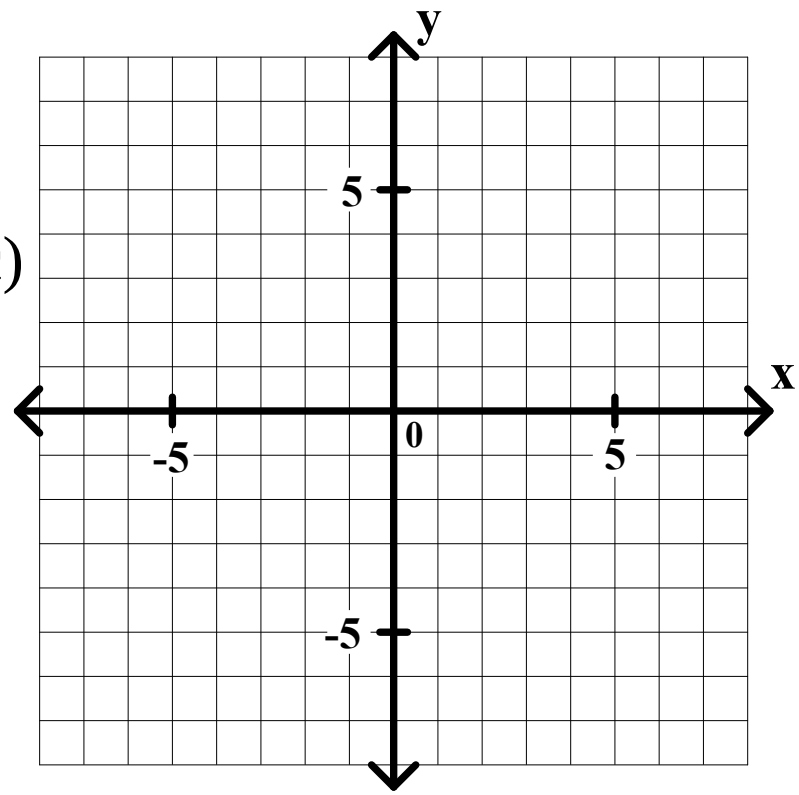

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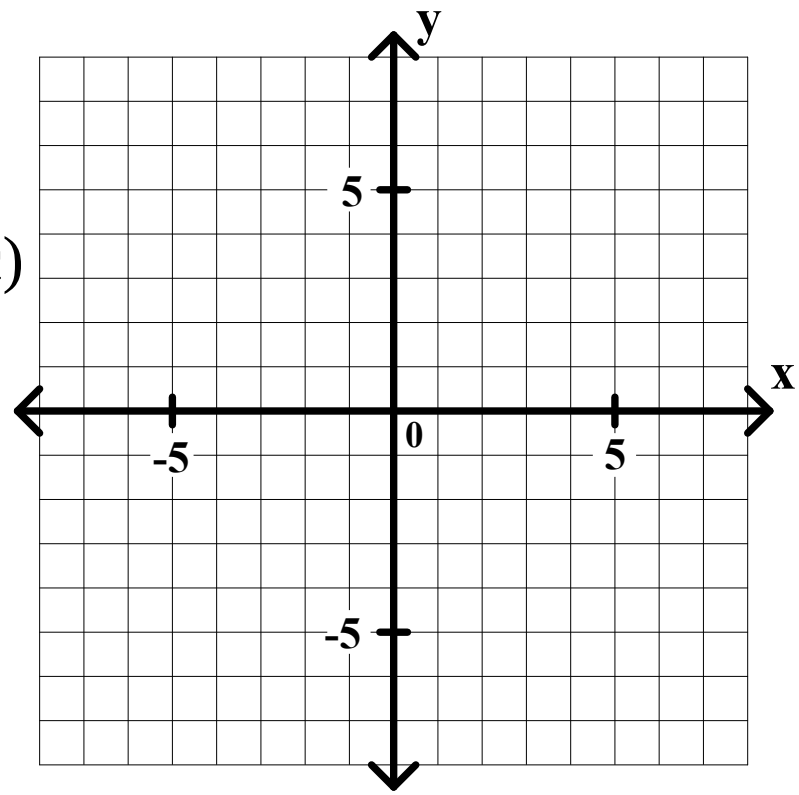

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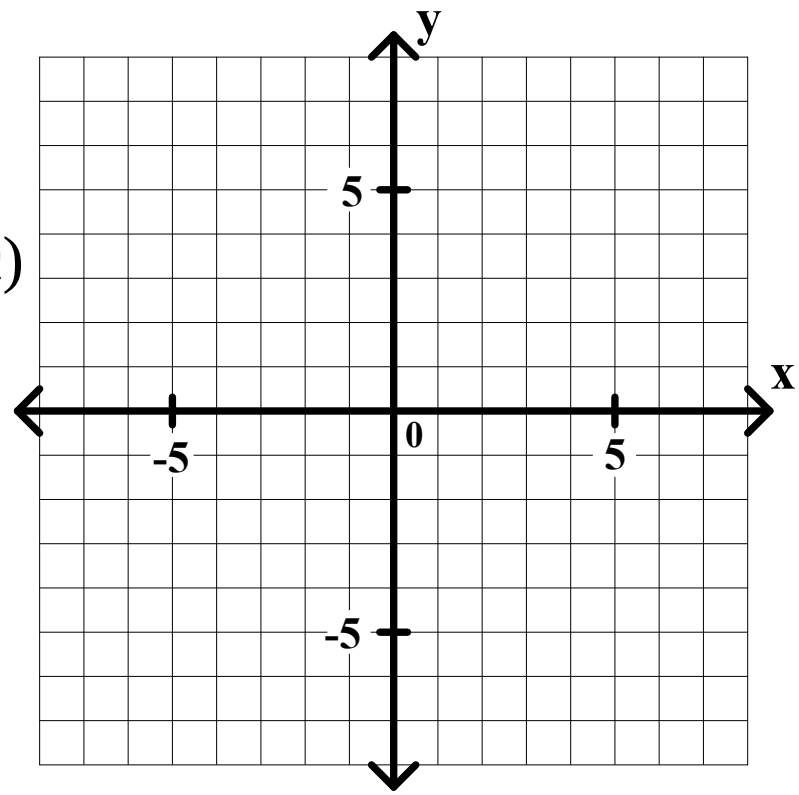

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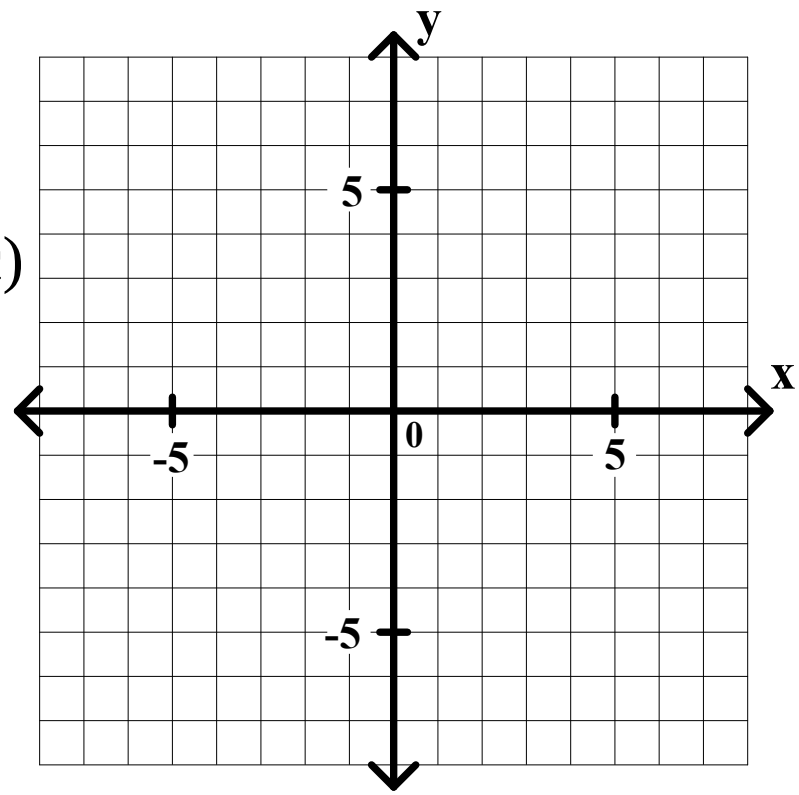

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The slope-intercept equation: $y = mx + b$.

General Algebra II CWS #1 Unit 2

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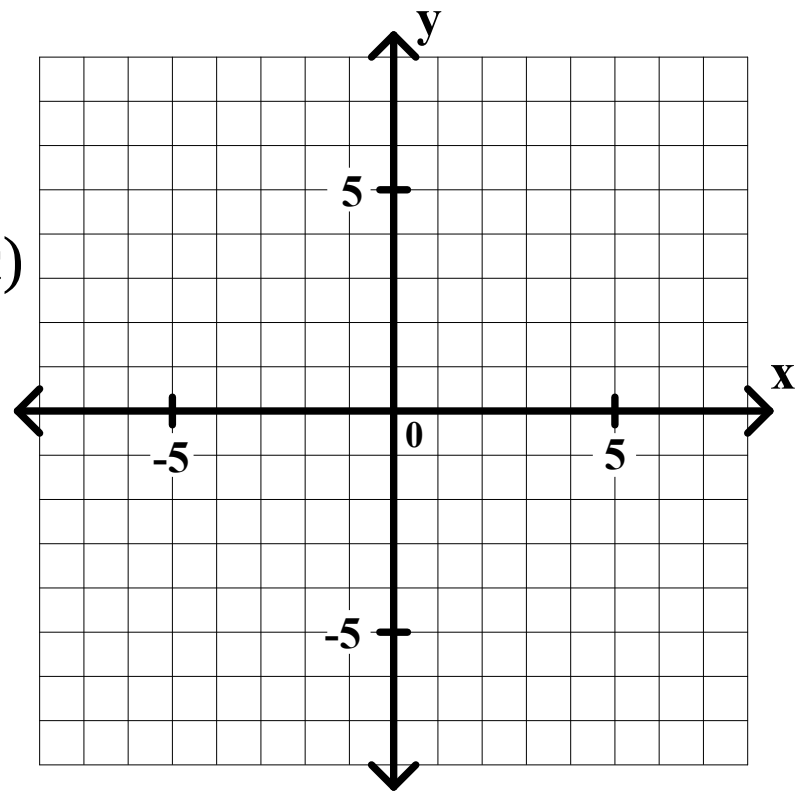

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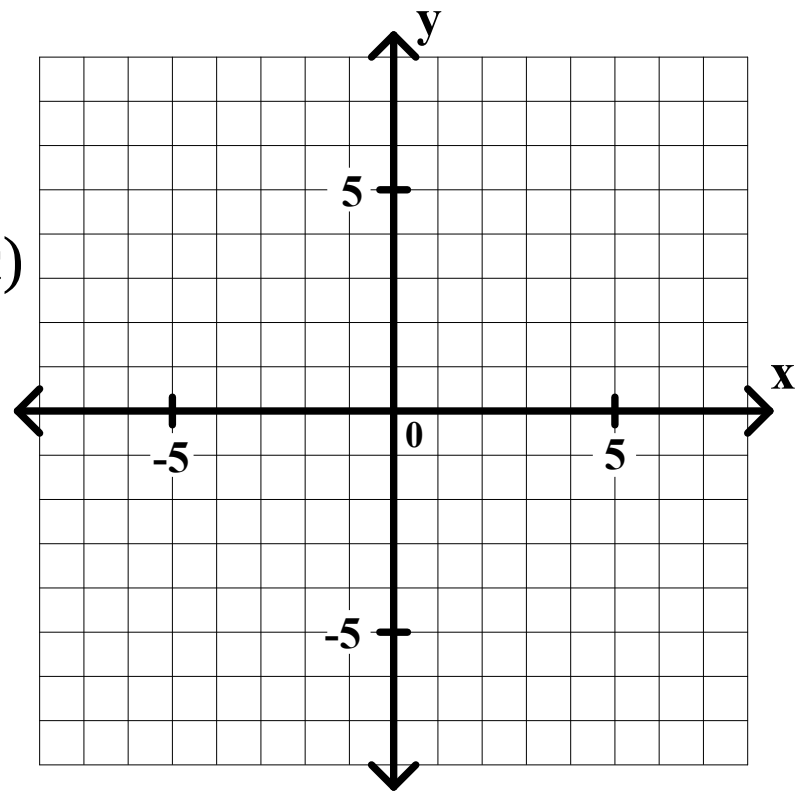

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Solve for y.

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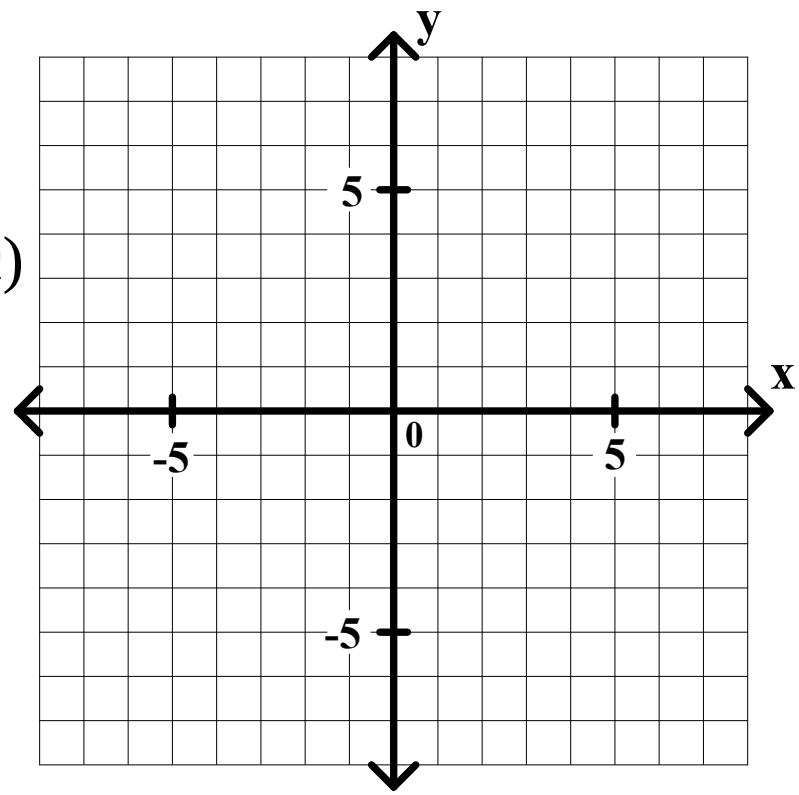

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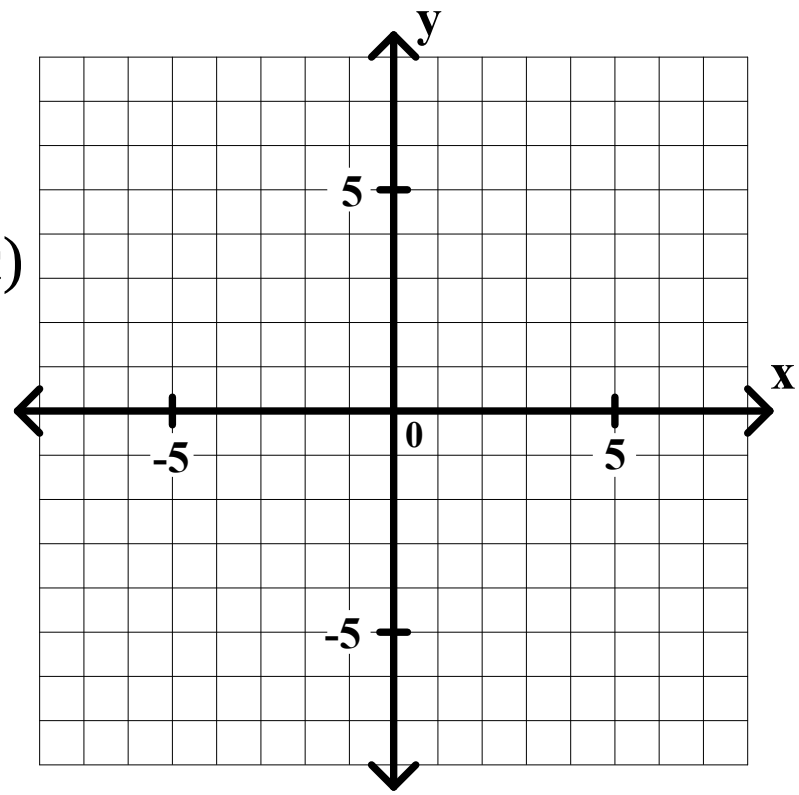

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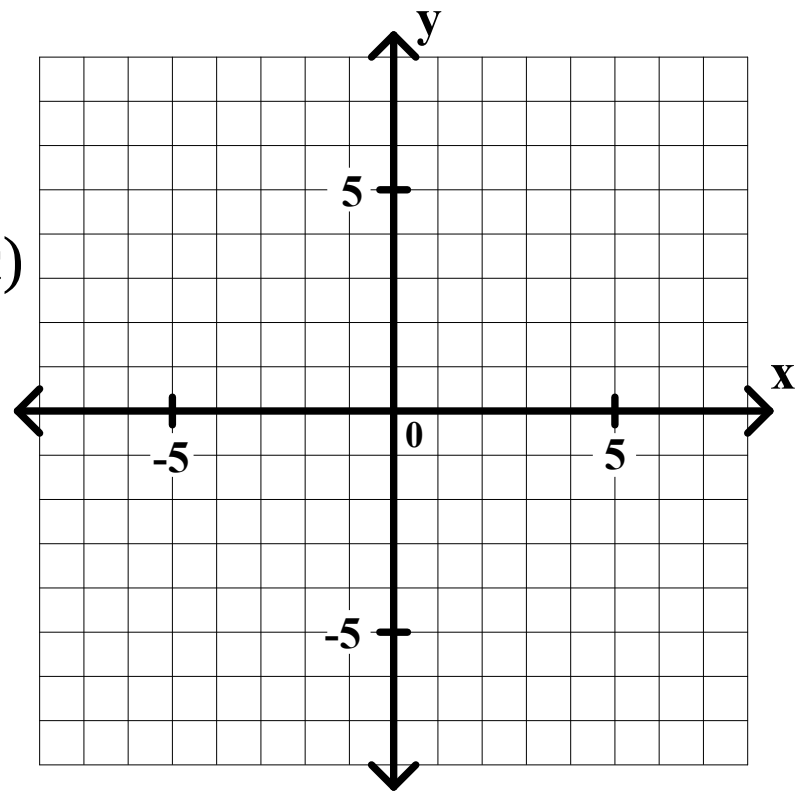

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General Algebra II CWS #1 Unit 2

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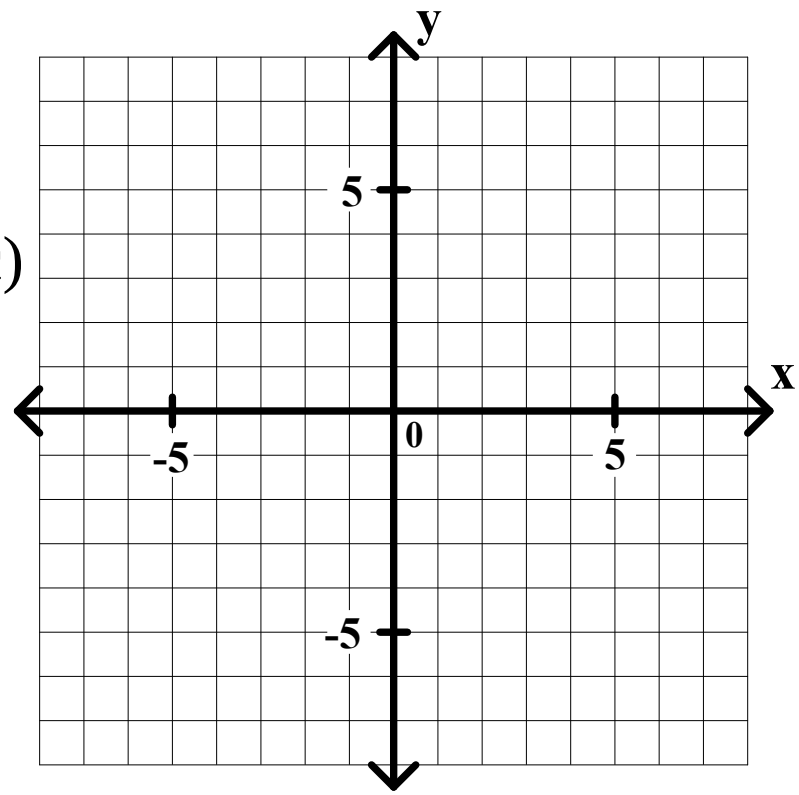

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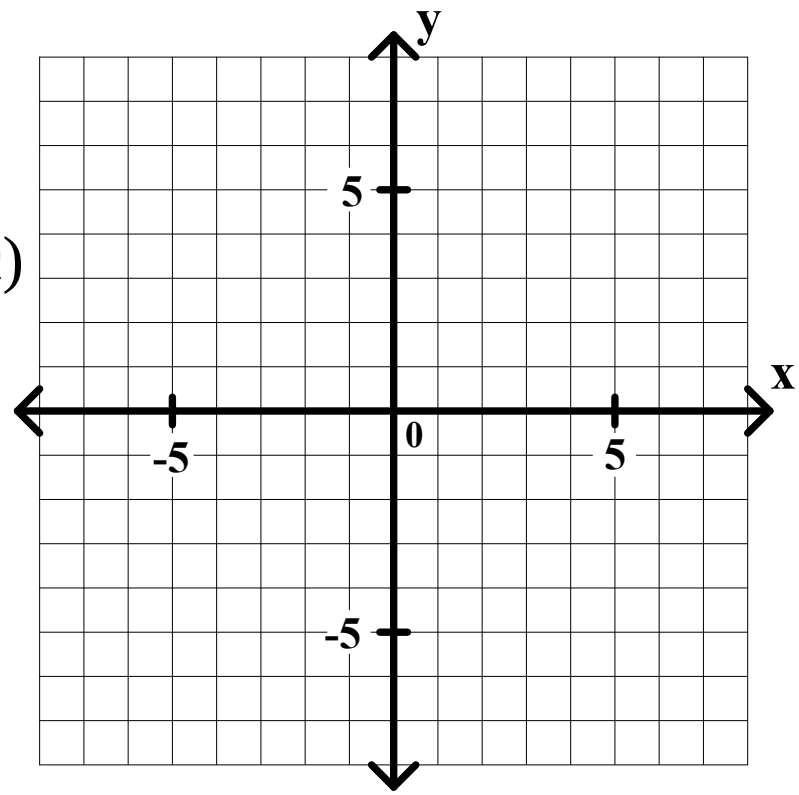

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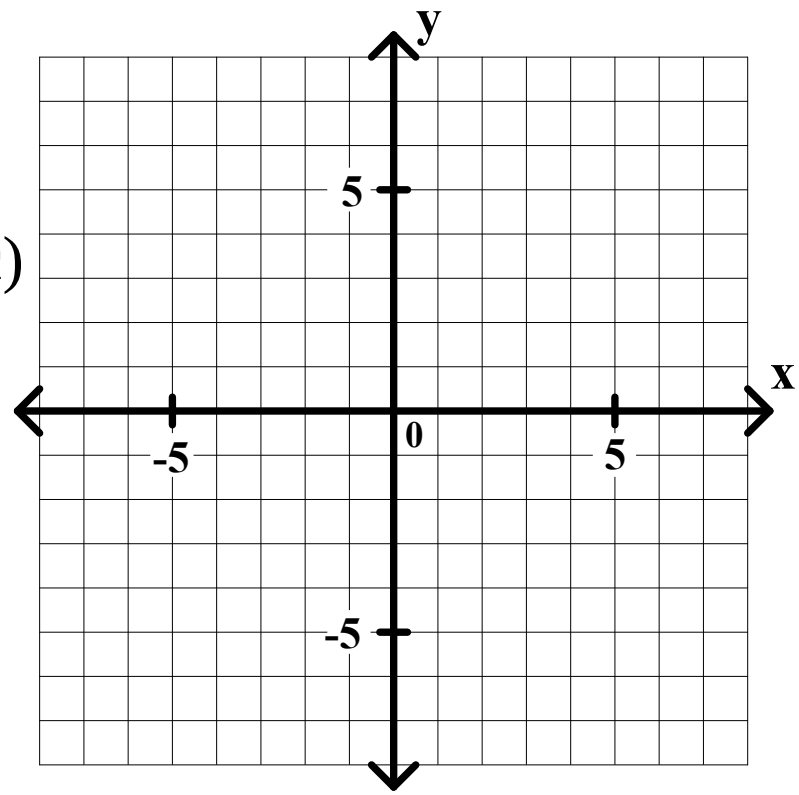

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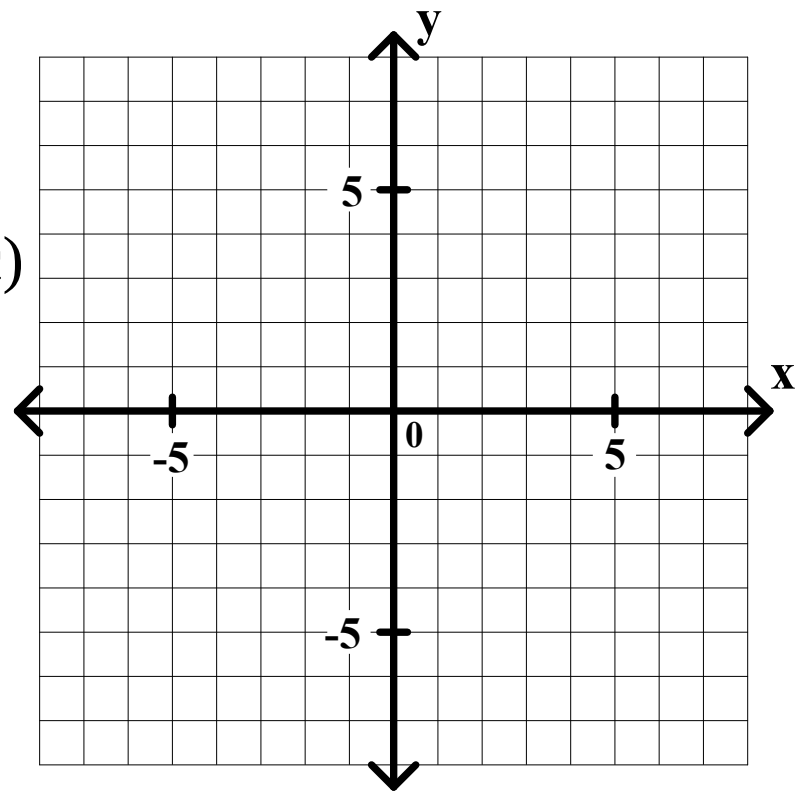

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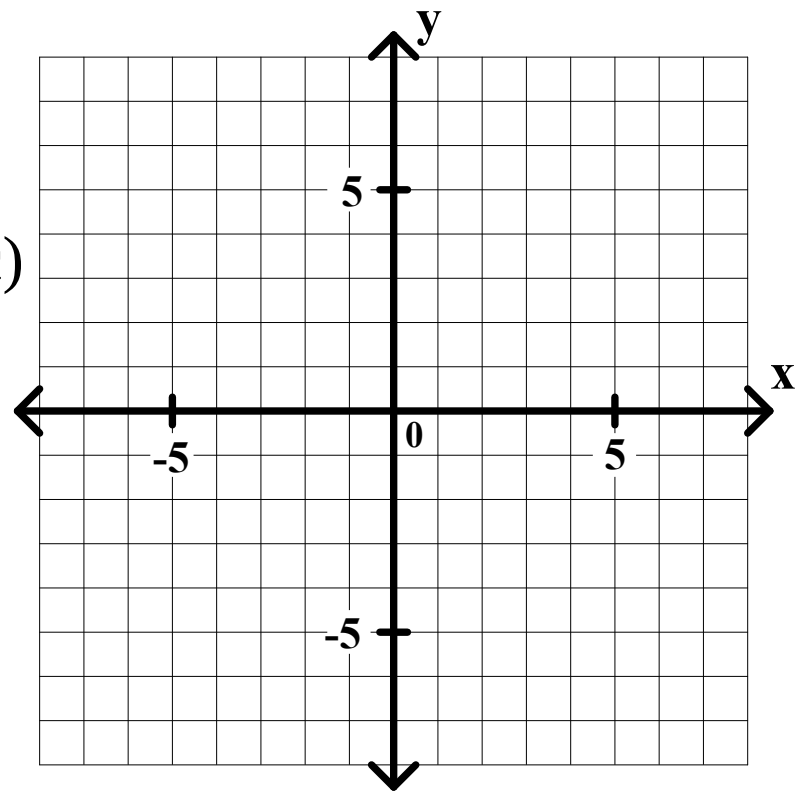

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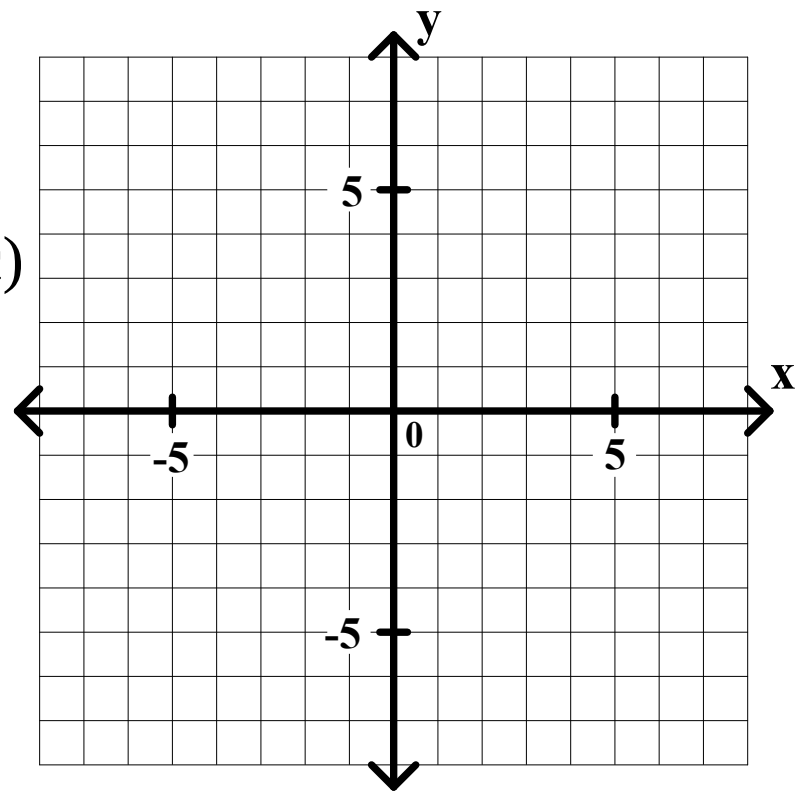

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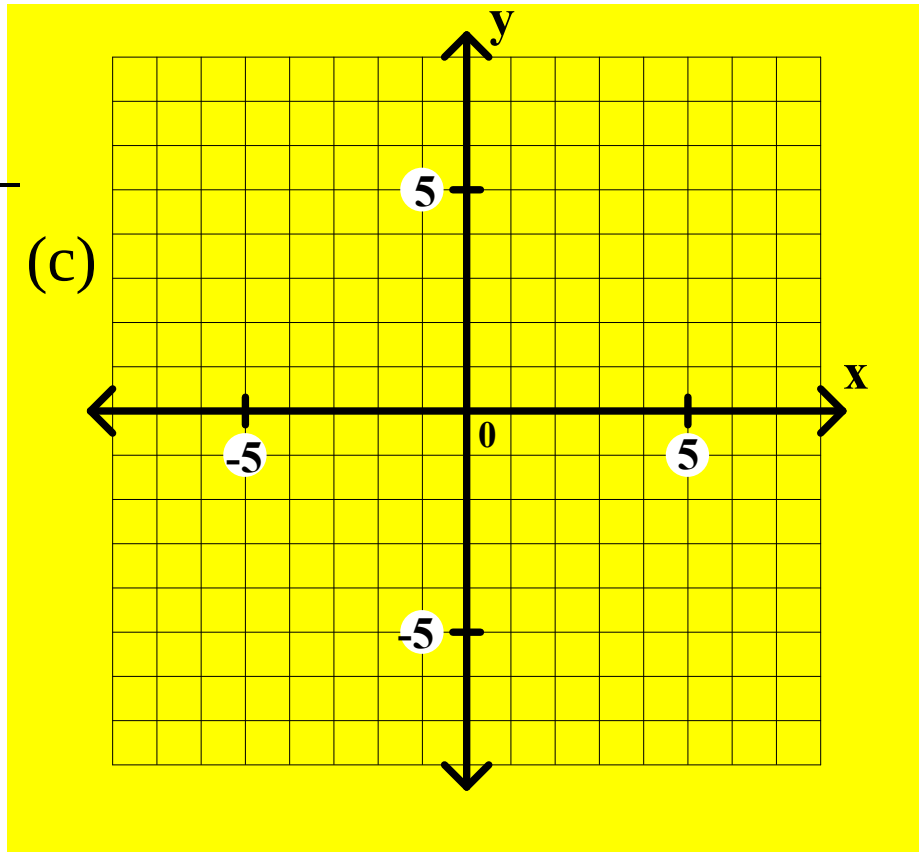

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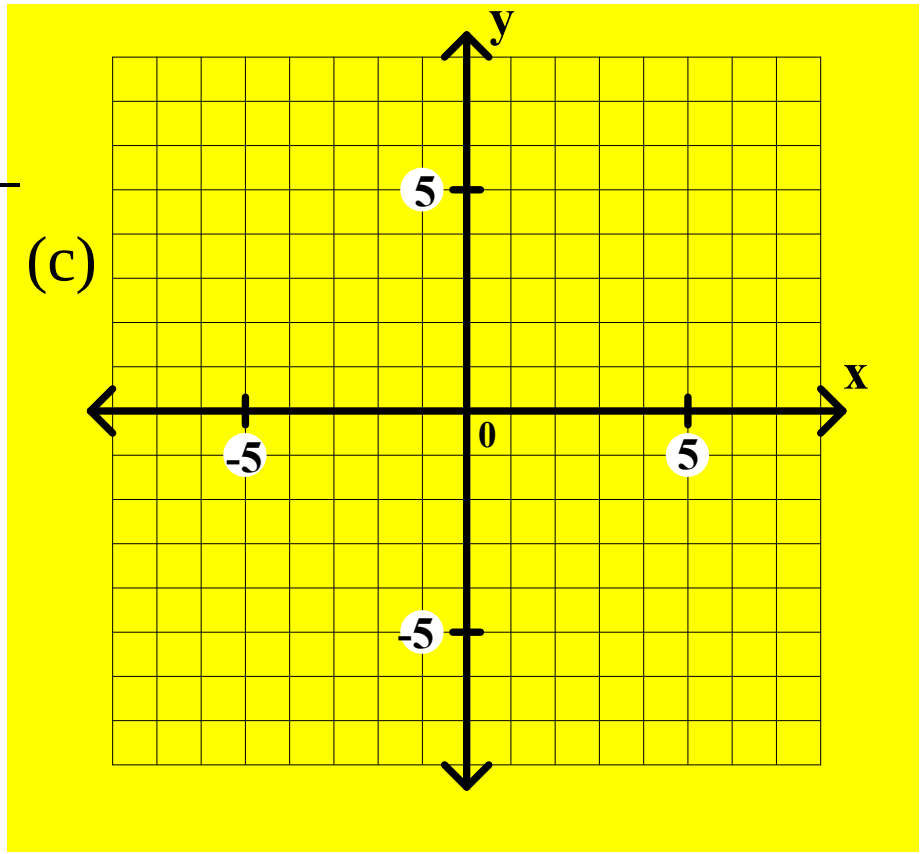

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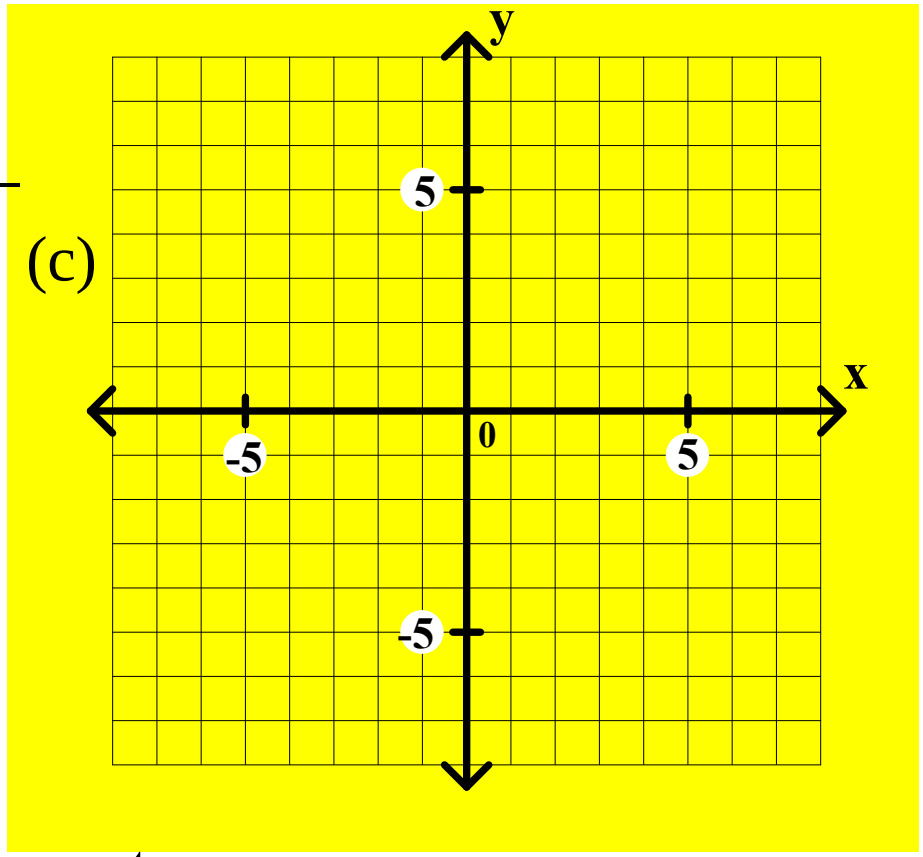

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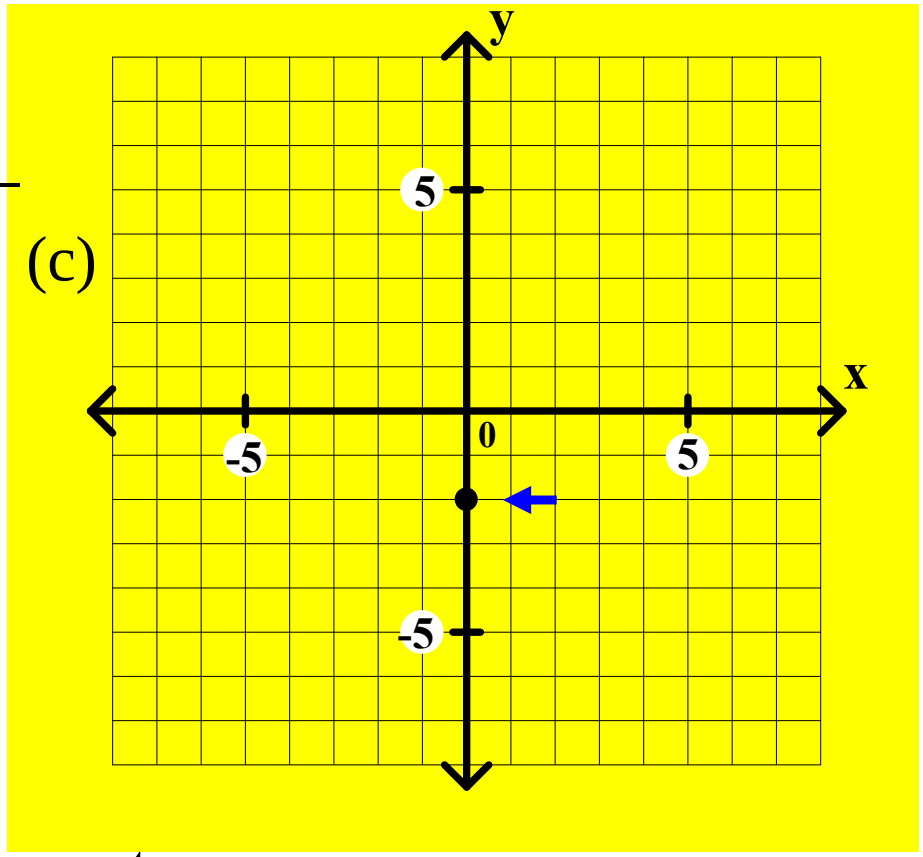

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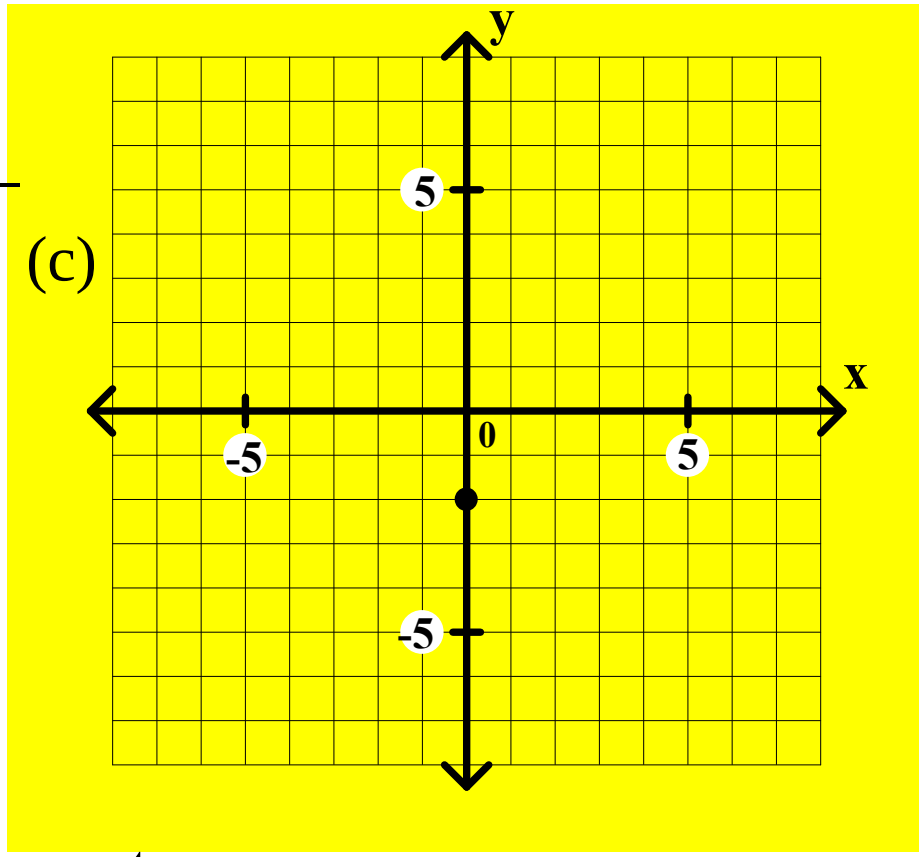

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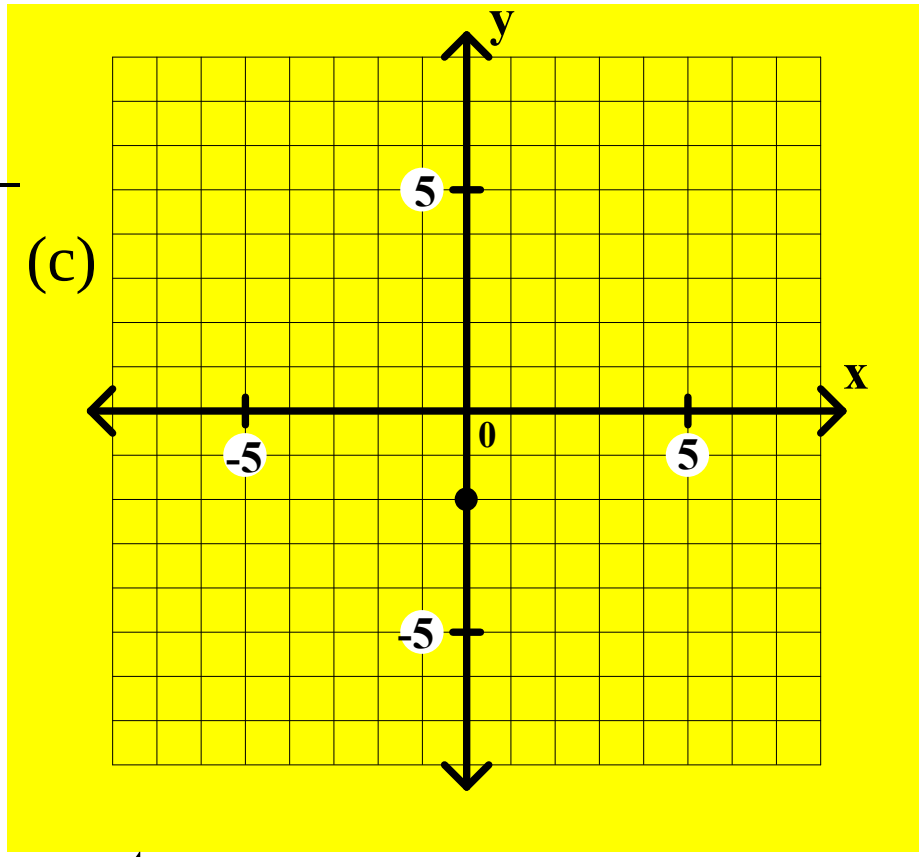

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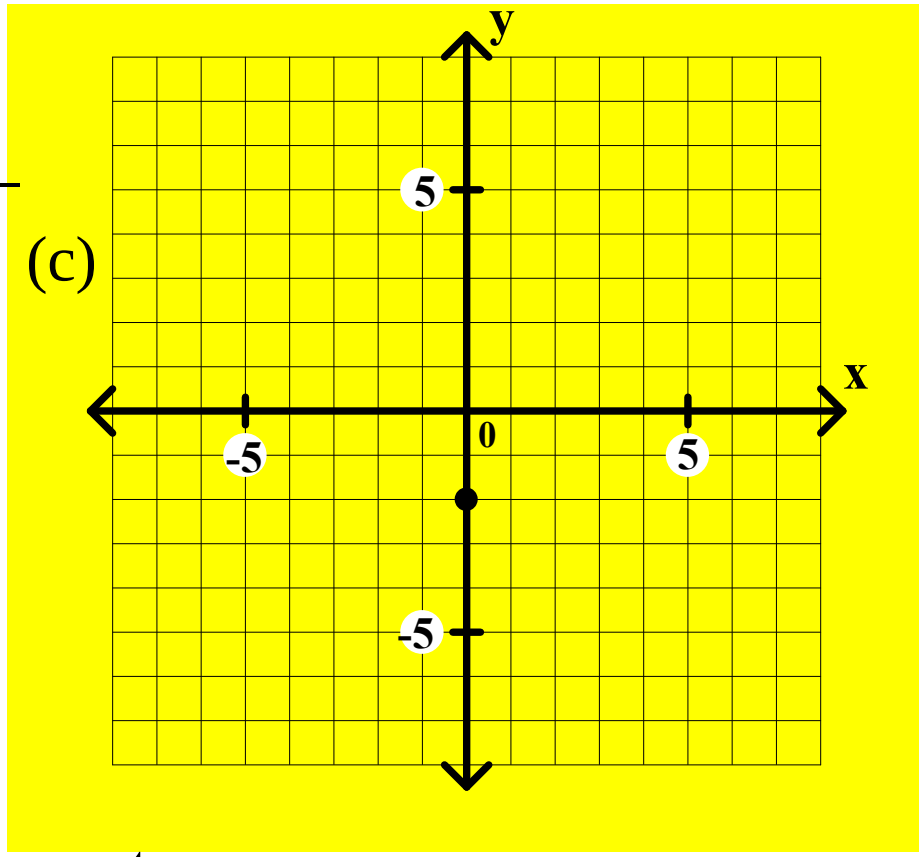

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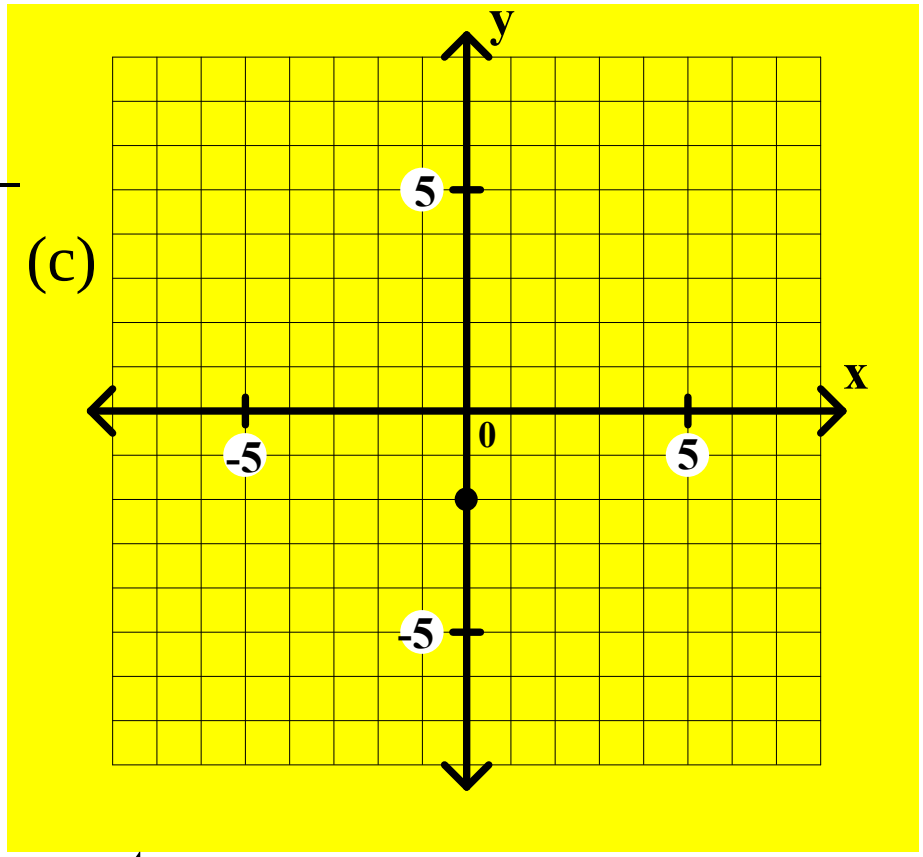

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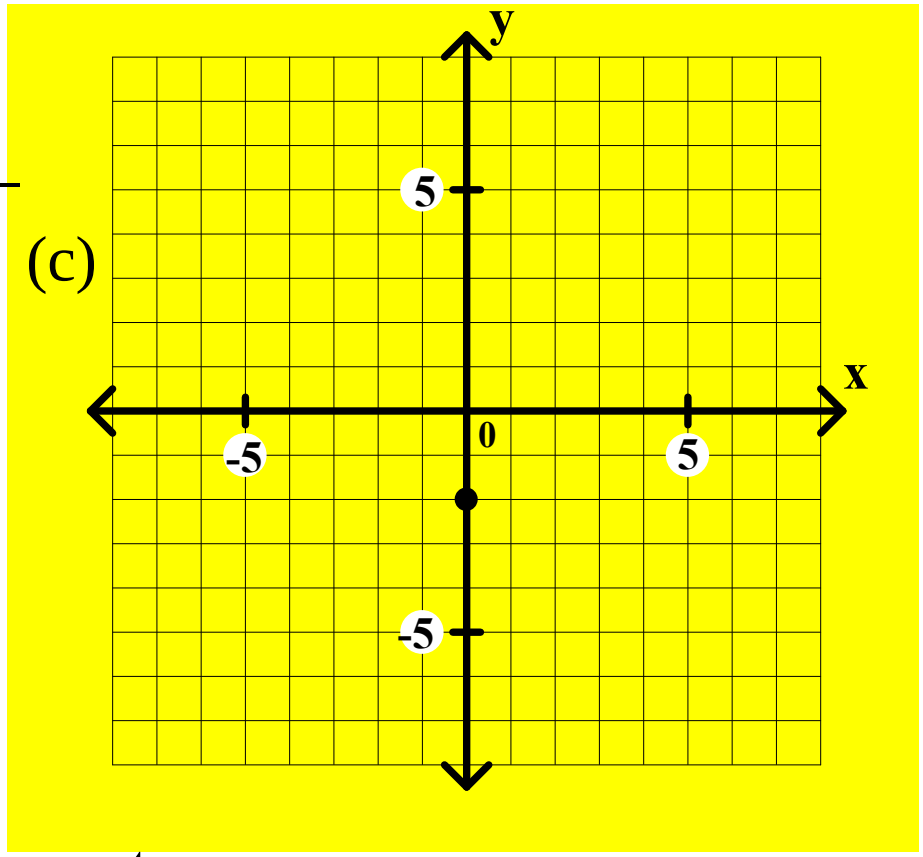

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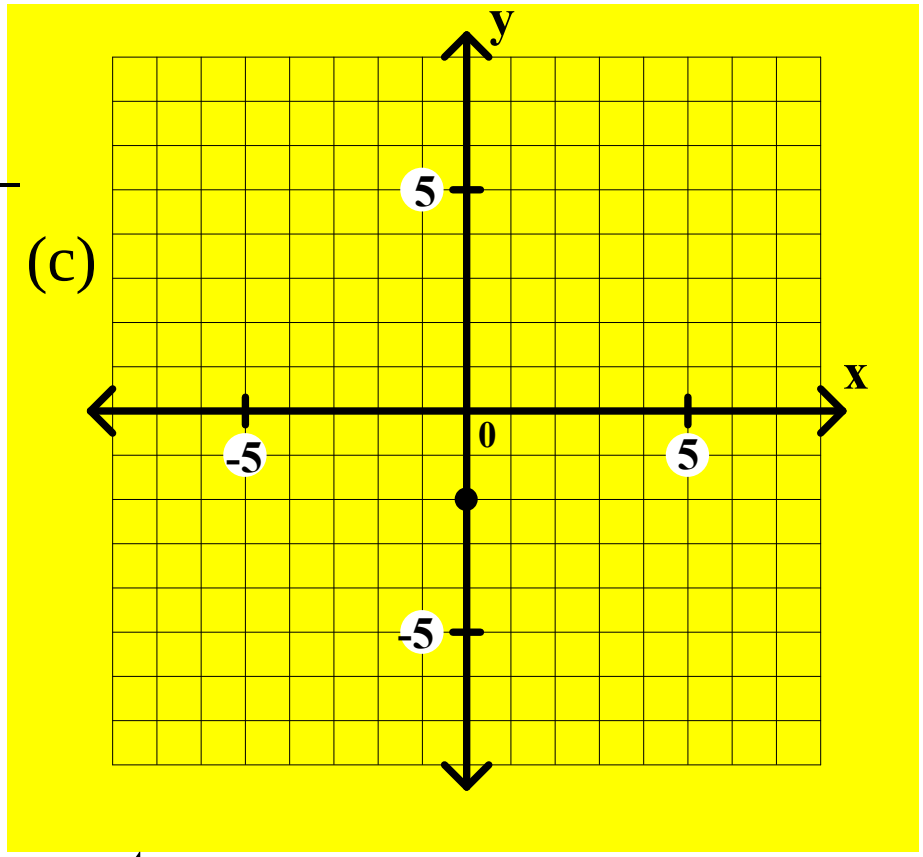

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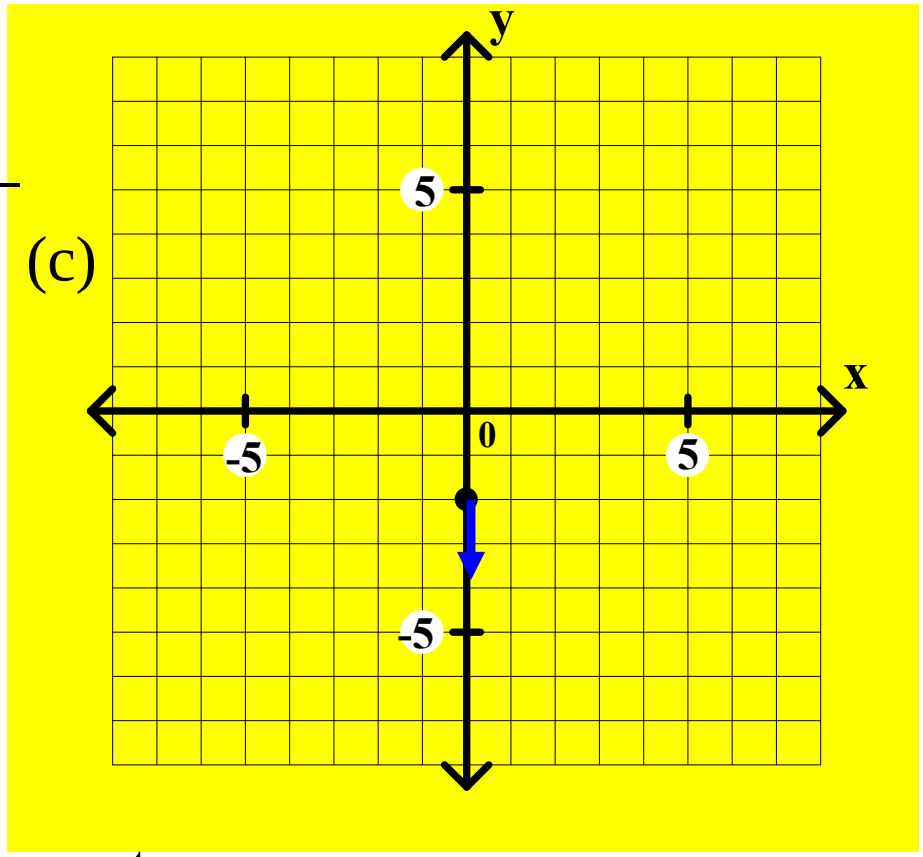

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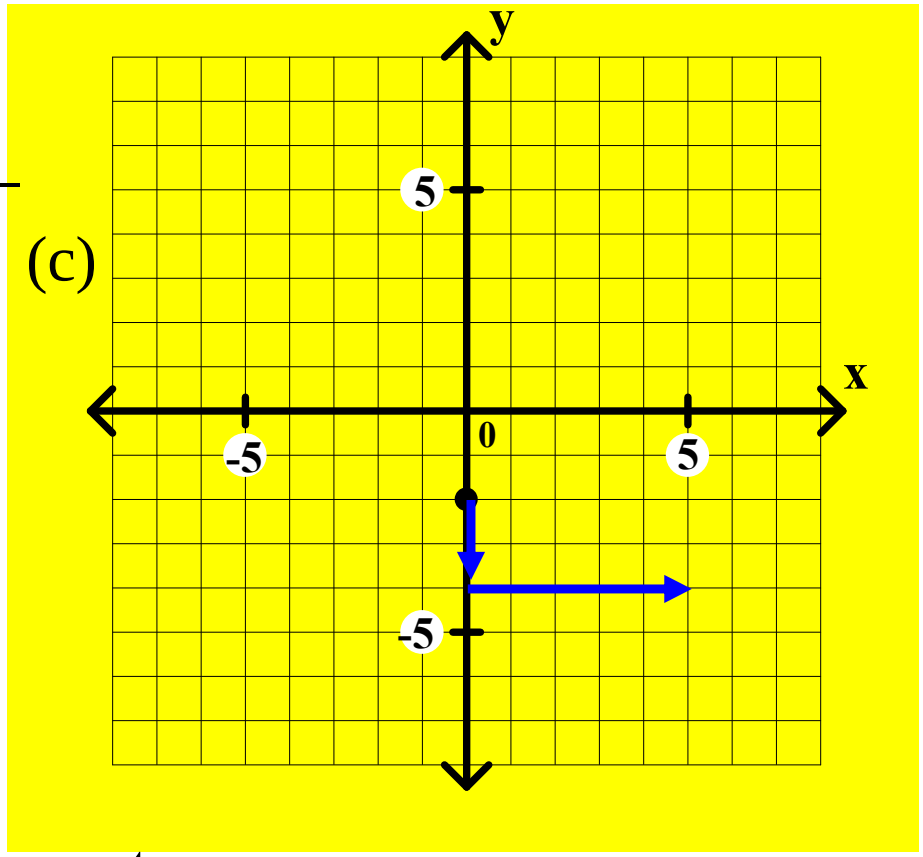

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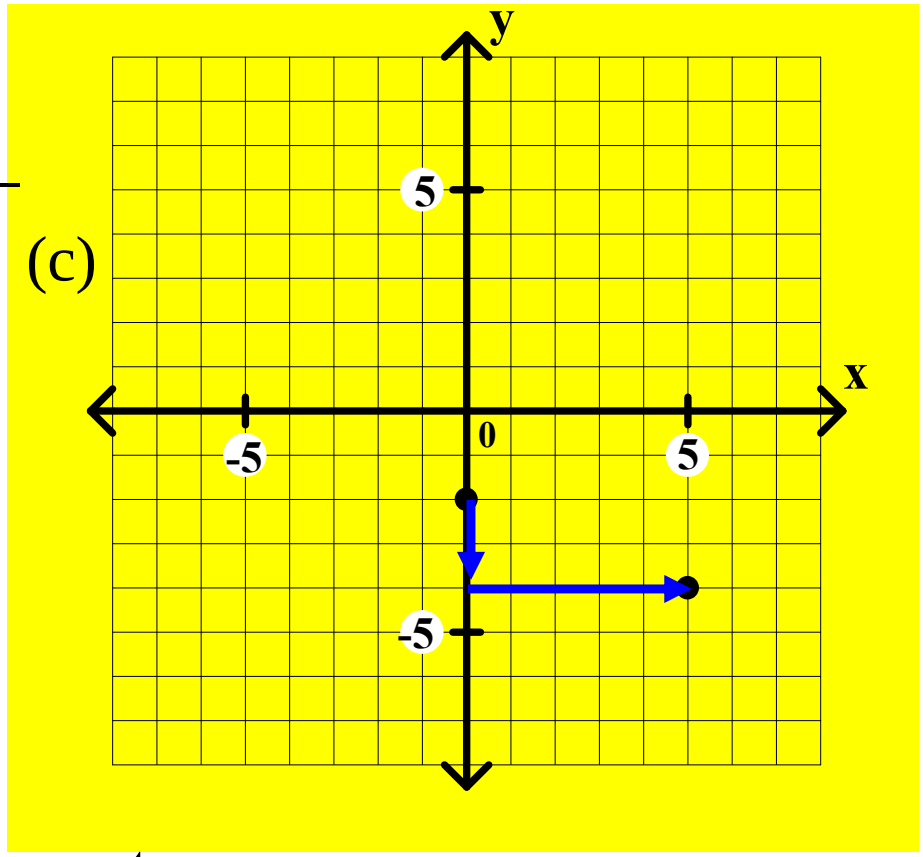

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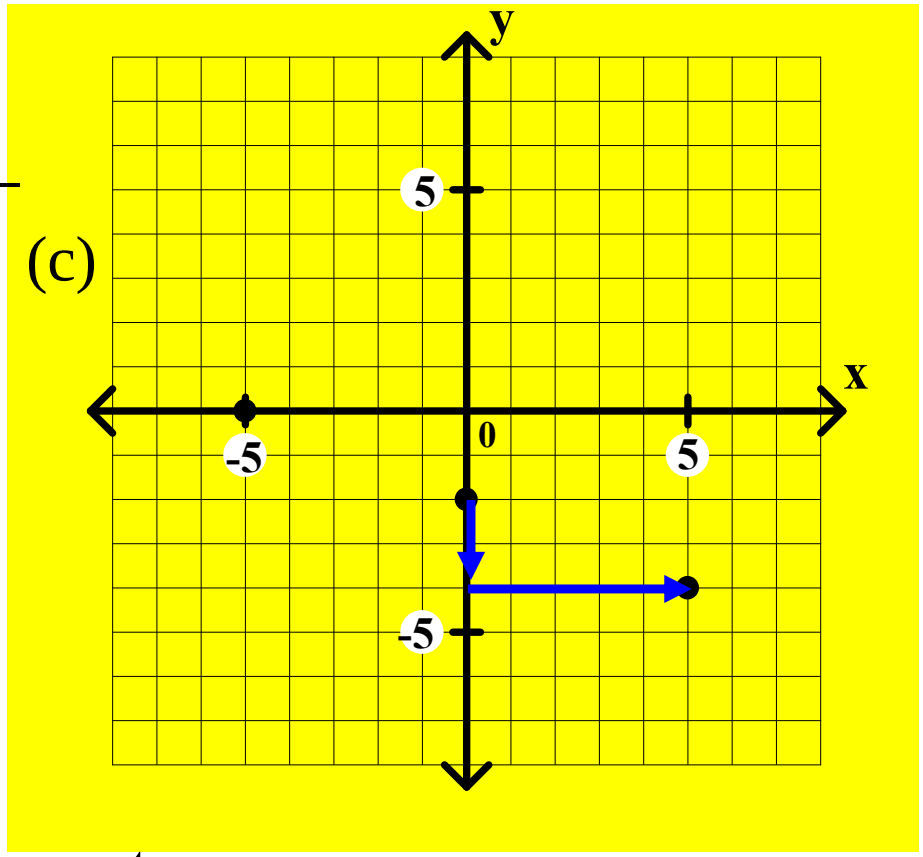

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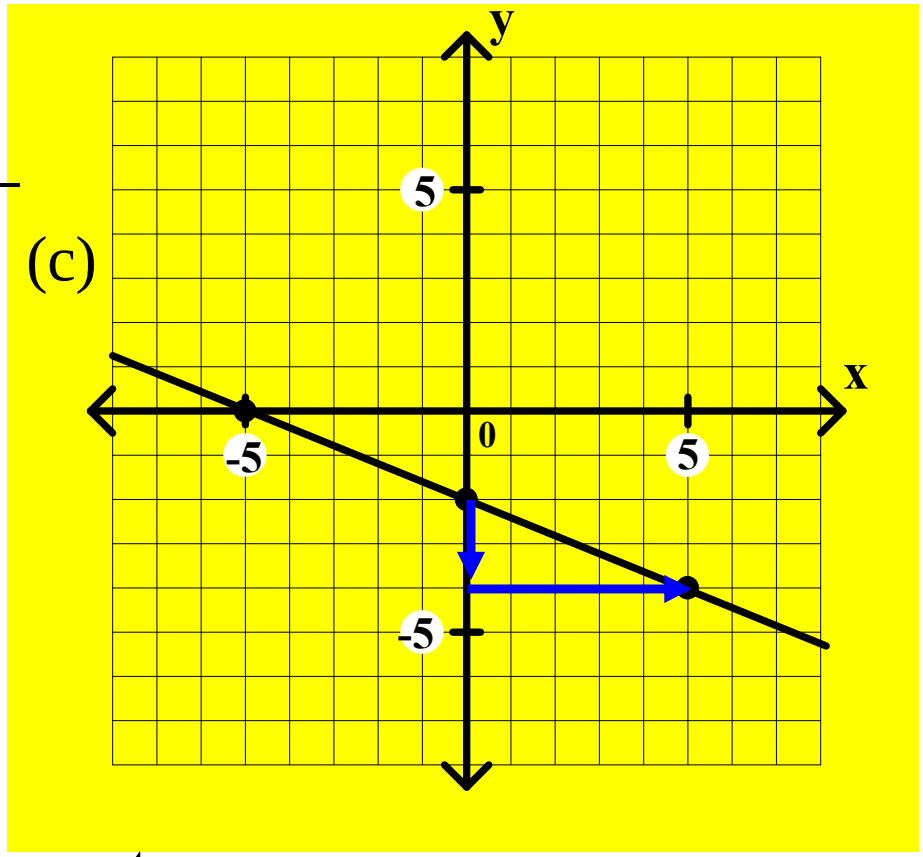

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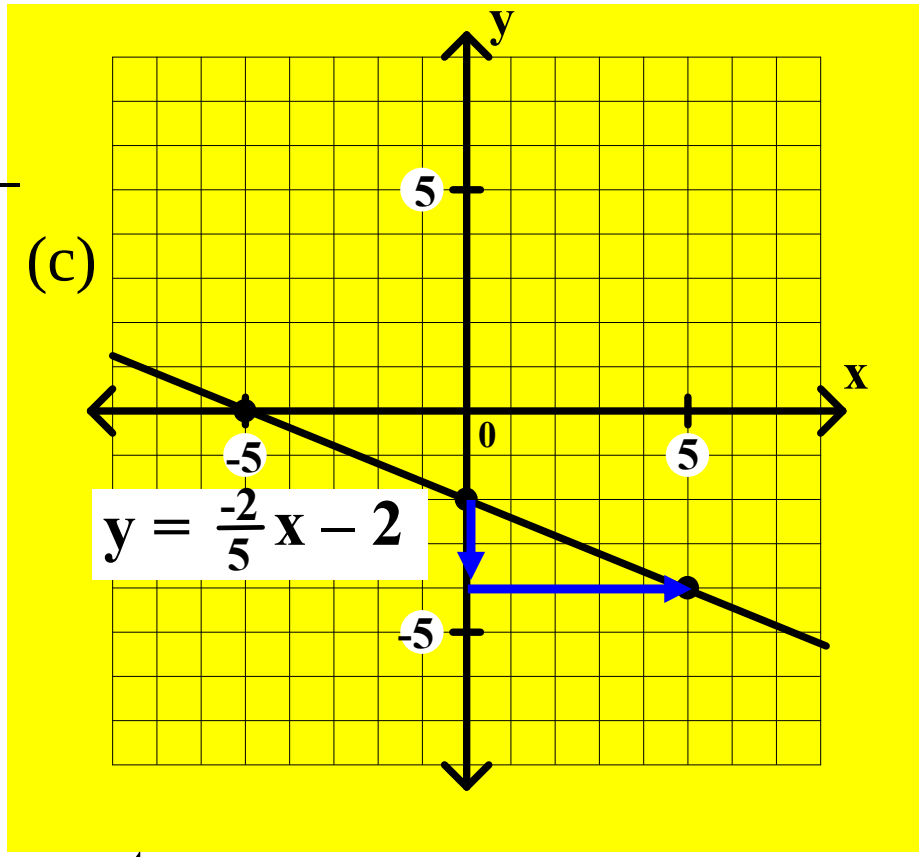

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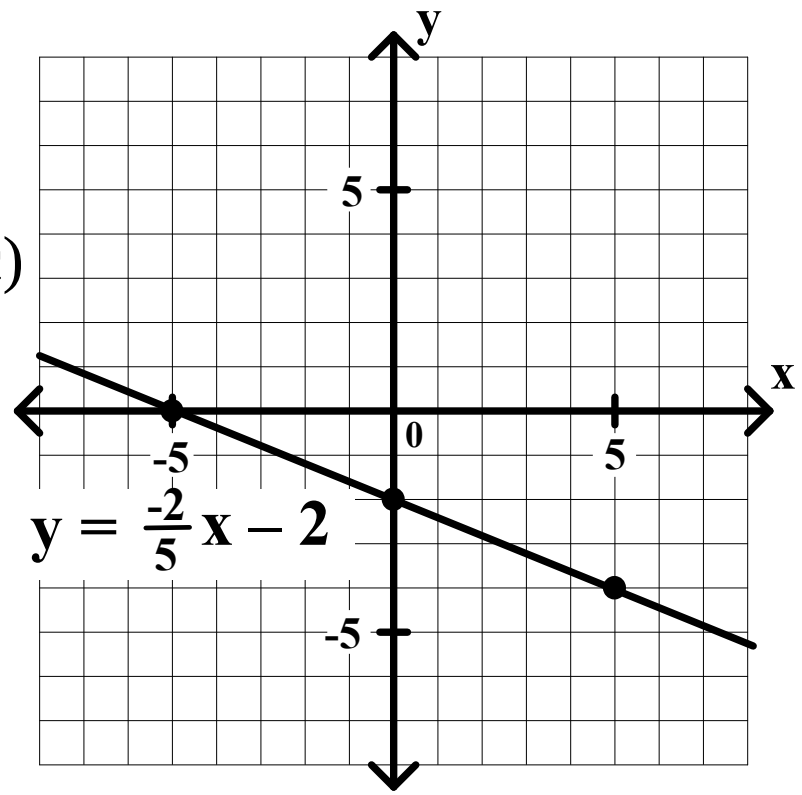

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$2x + 5y = -10$

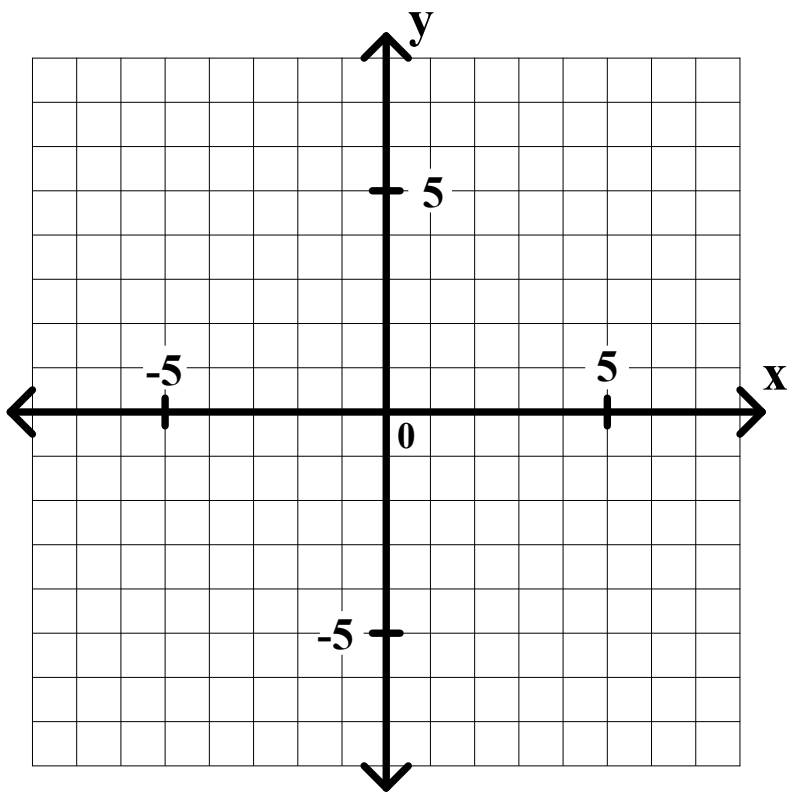
$5y = -2x - 10$

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

General Algebra II CWS #1 Unit 2

Graph the equations.

3. 3x + 4y = 12



4. 6x – 3y = -12

General Algebra II CWS #1 Unit 2

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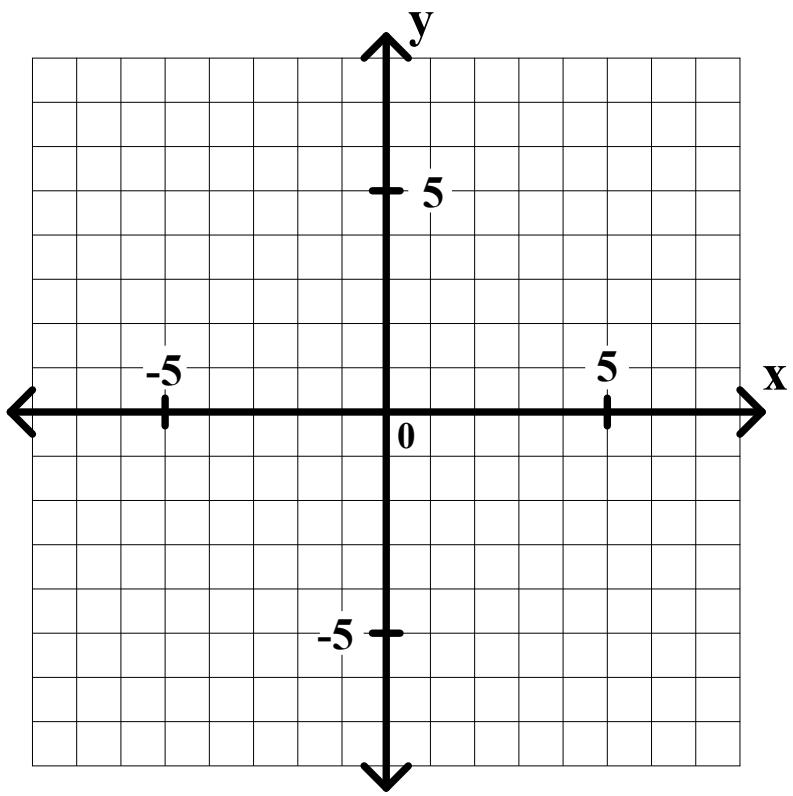

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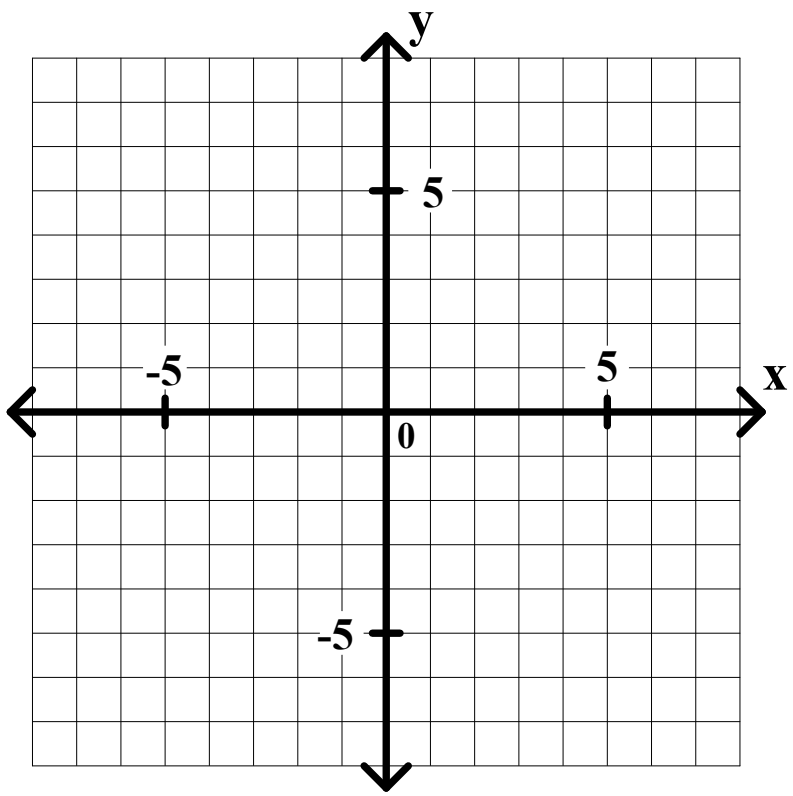

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Solve for y.

General Algebra II CWS #1 Unit 2

Graph the equations.

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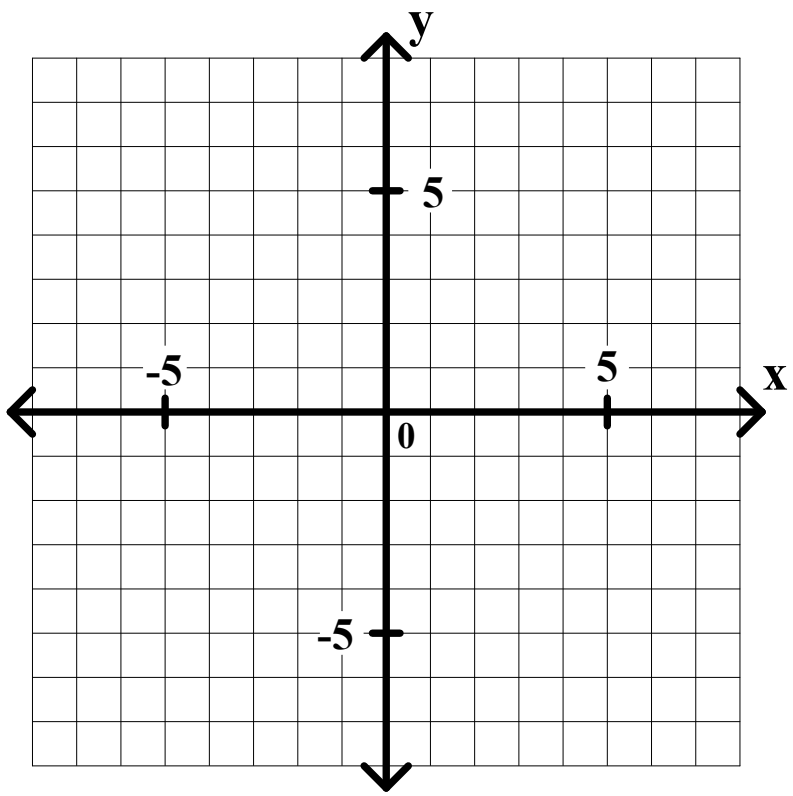
4y =



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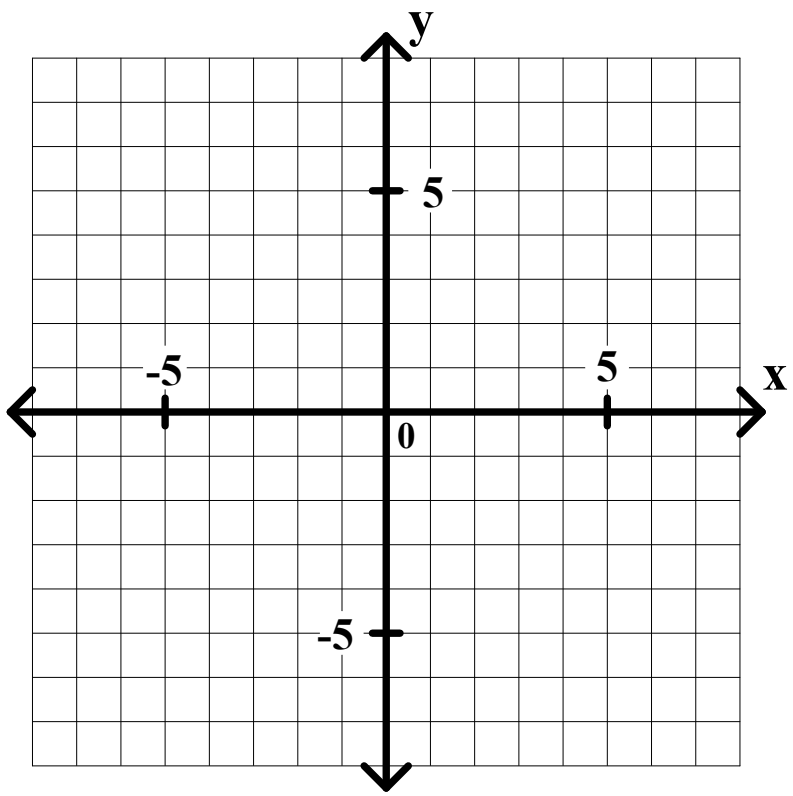

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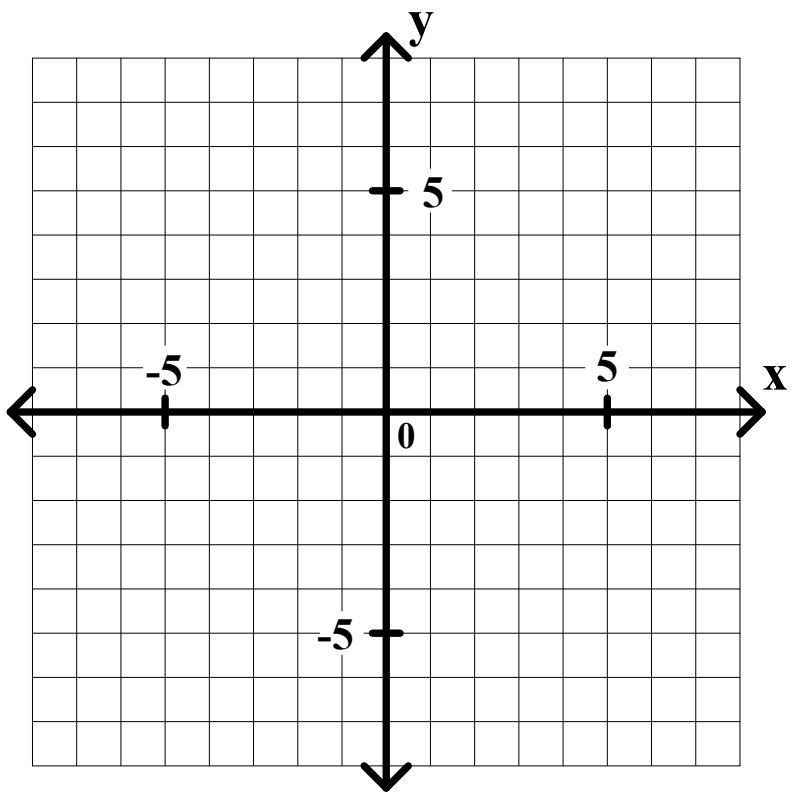

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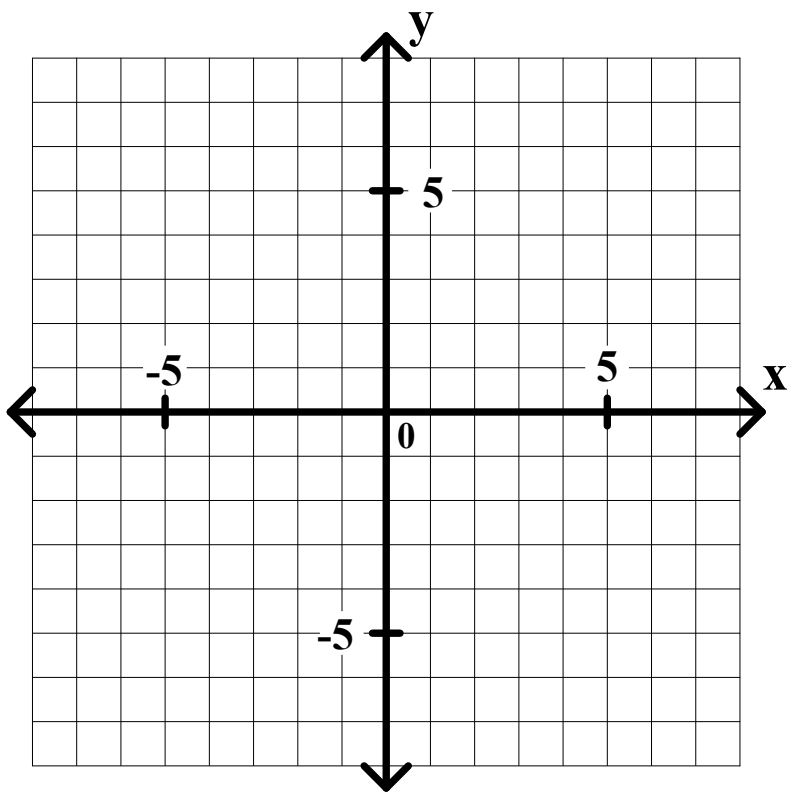

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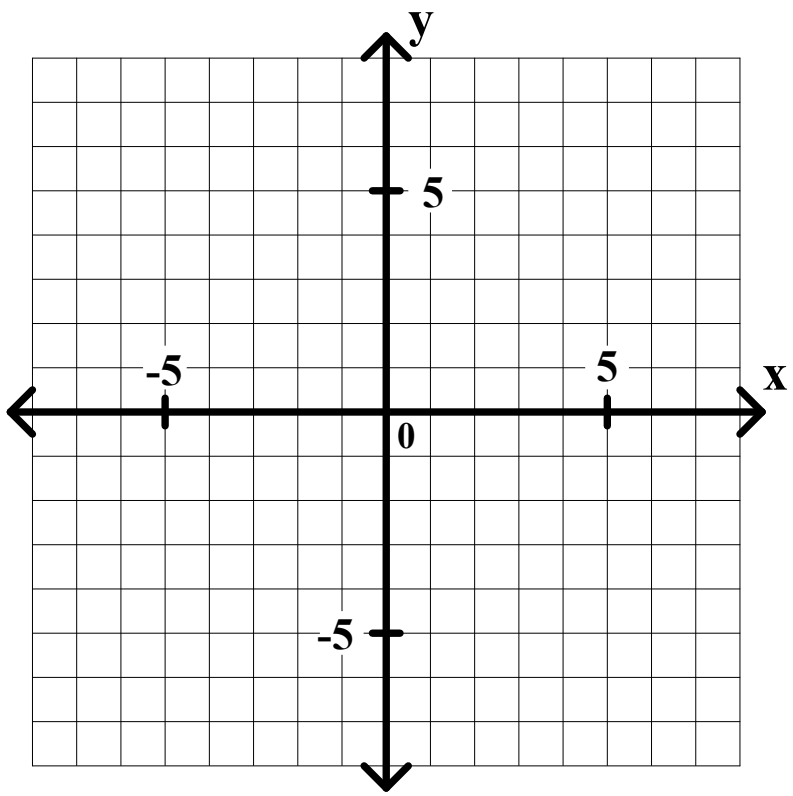

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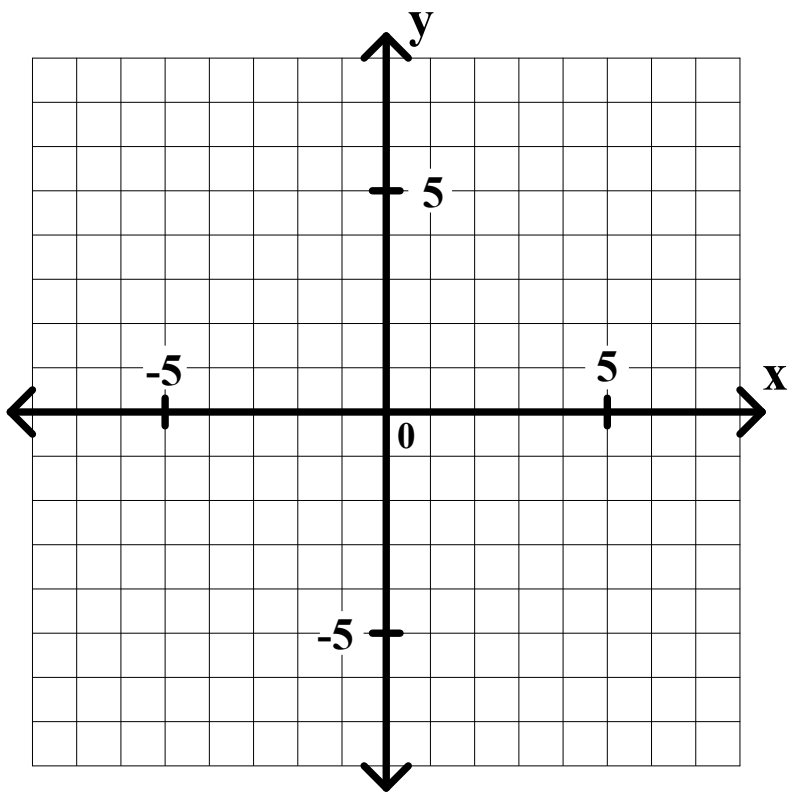

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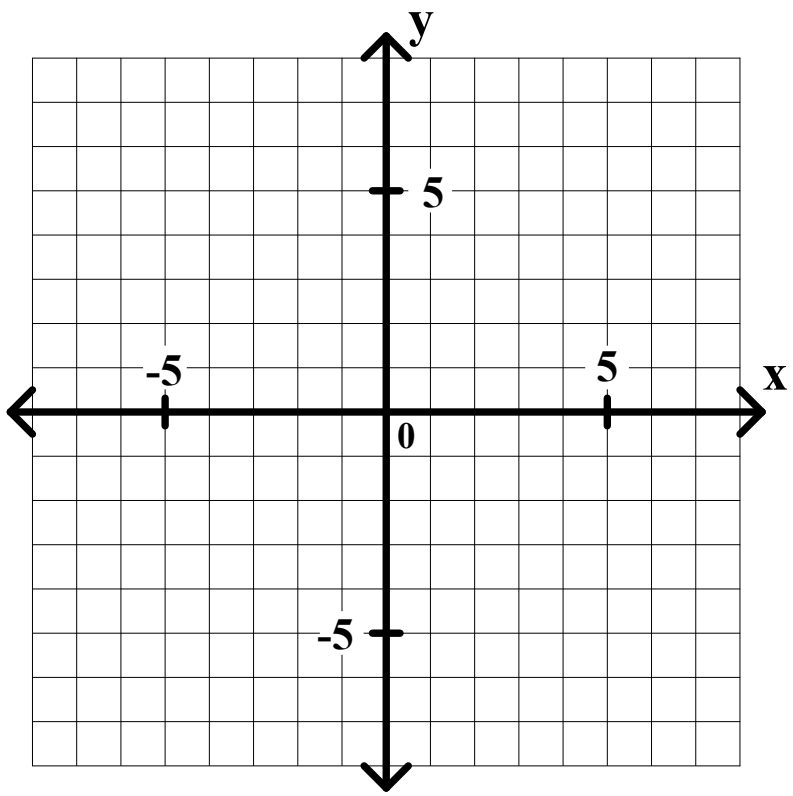

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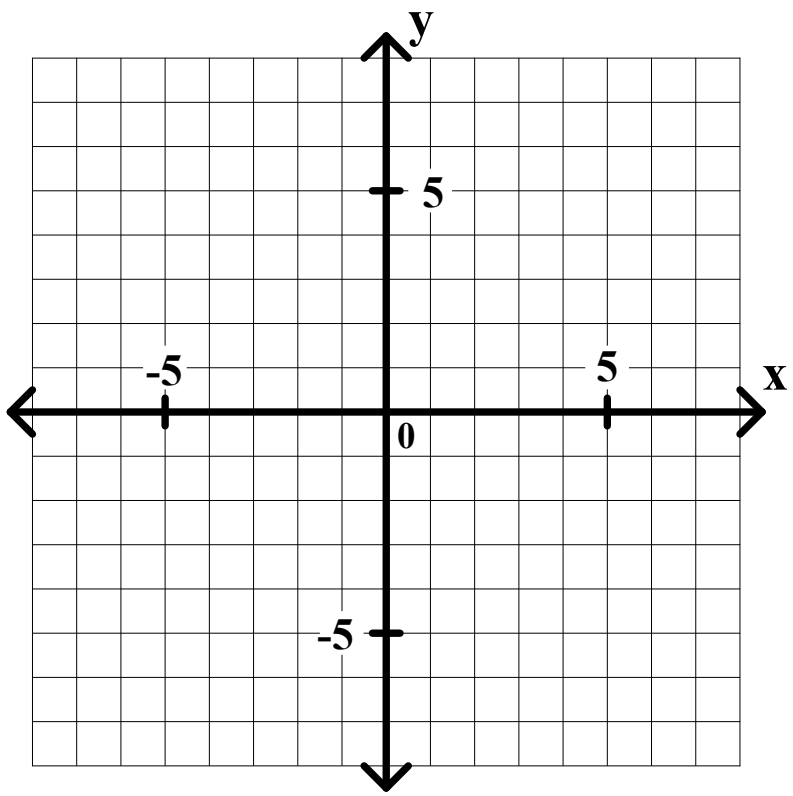

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Use the y-intercept and the slope to graph the equation.

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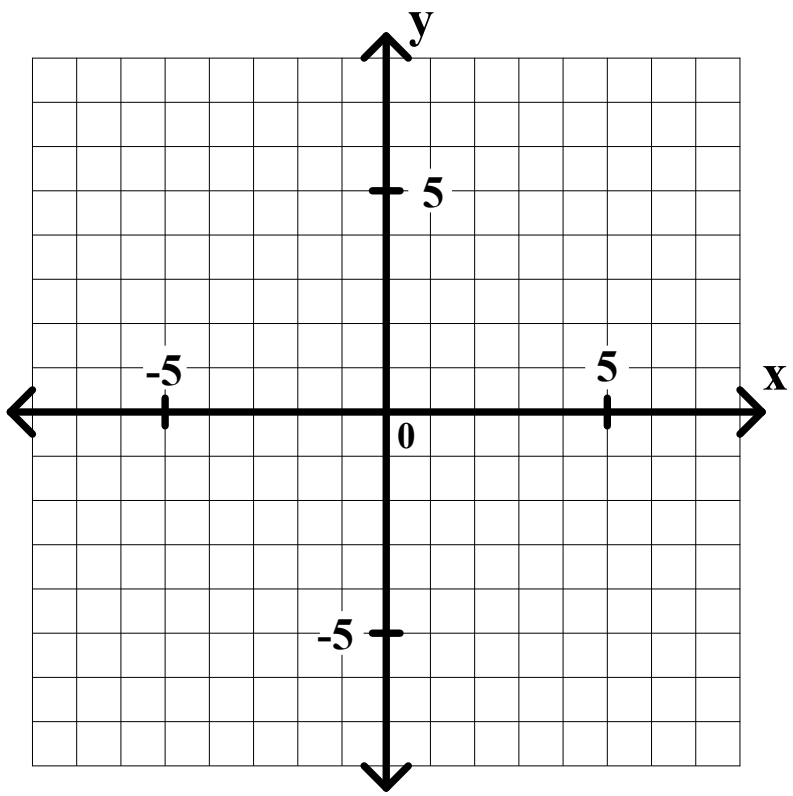

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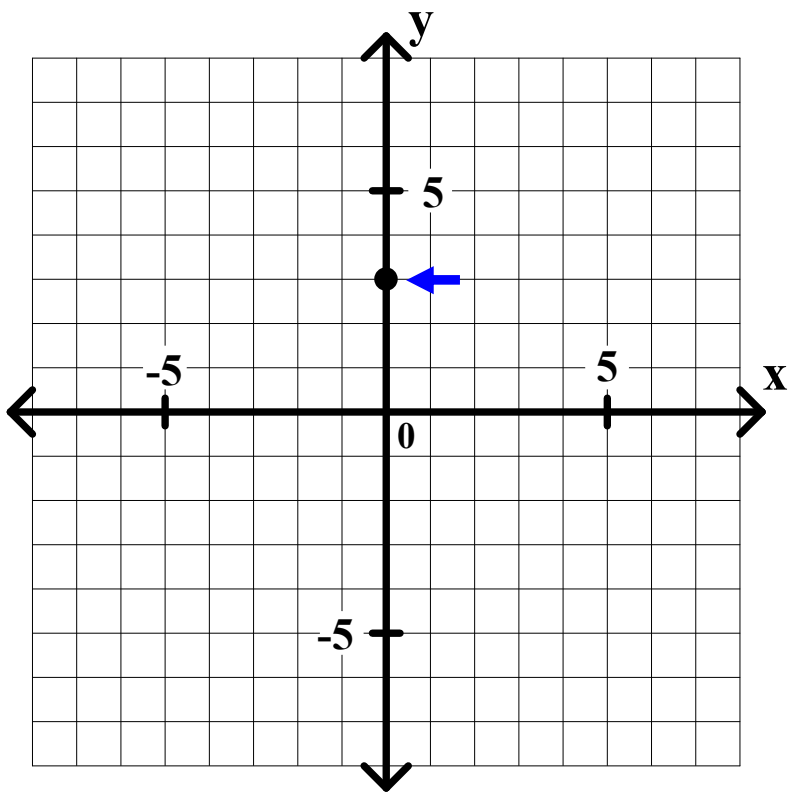

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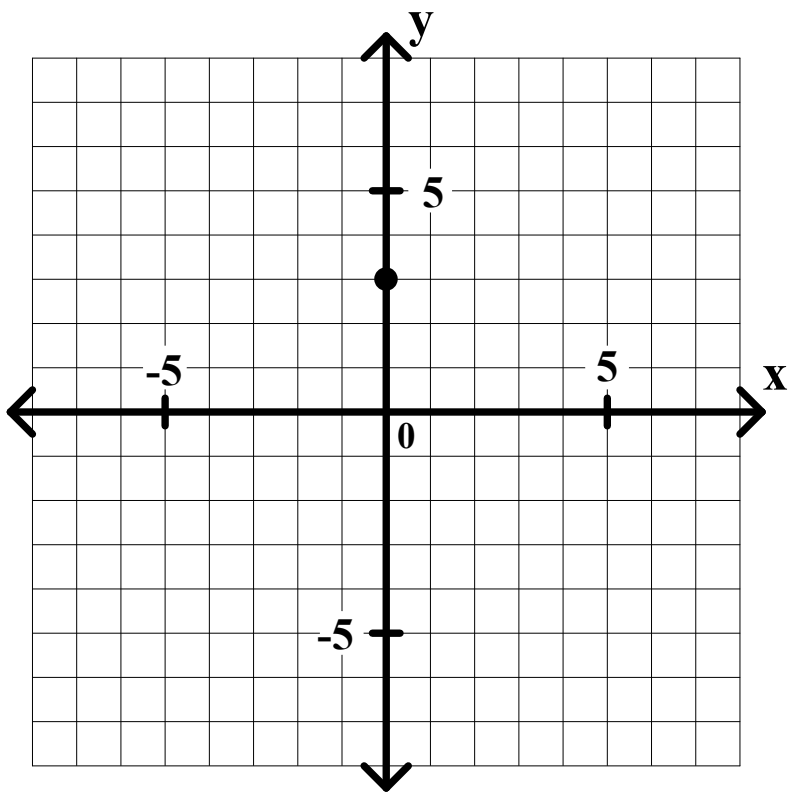

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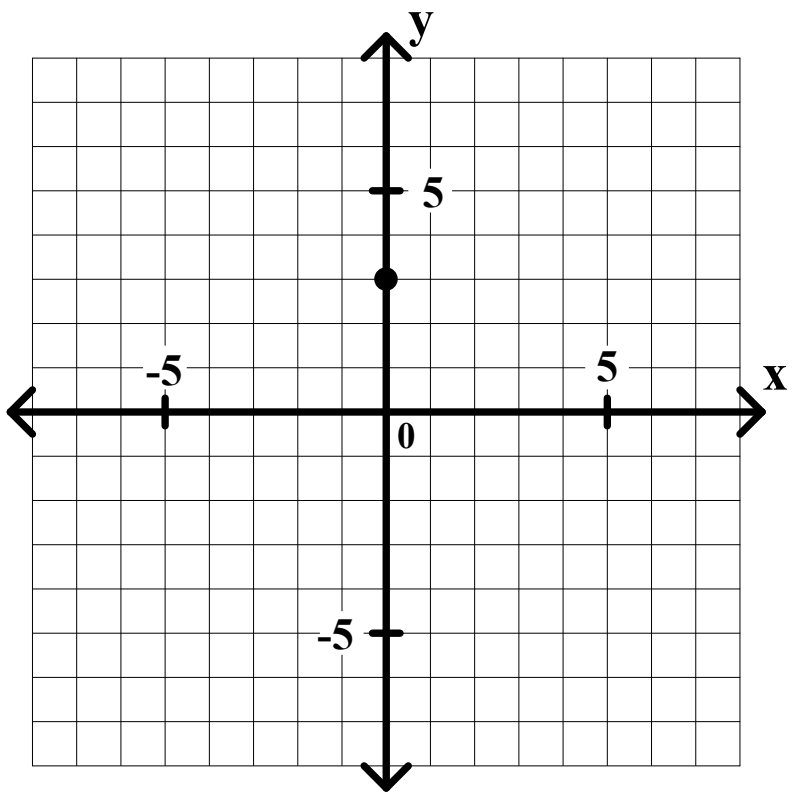

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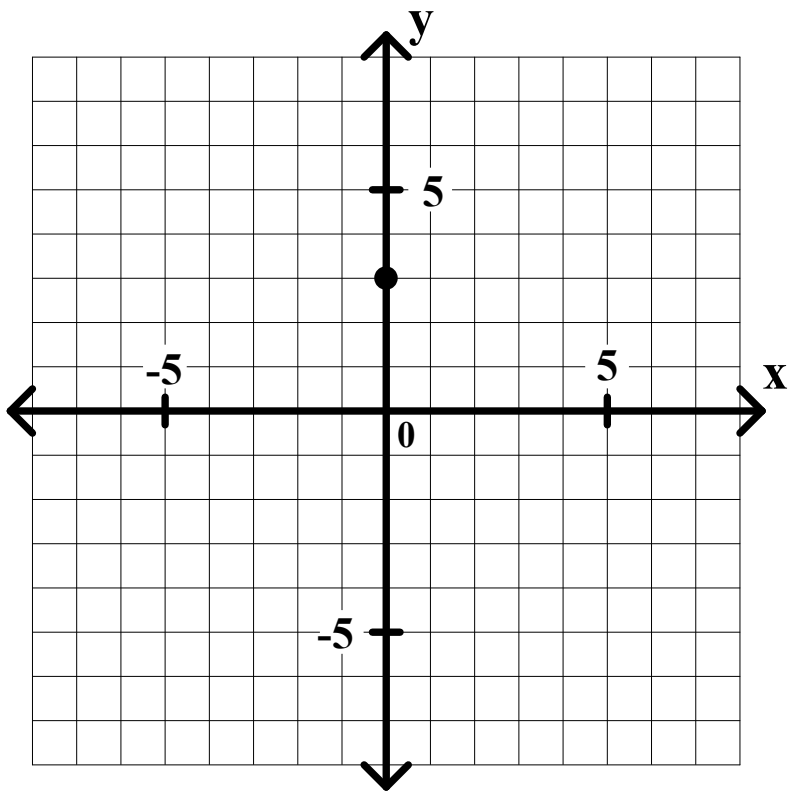

$$\text{slope} = \frac{\text{rise}}{\text{run}}$$

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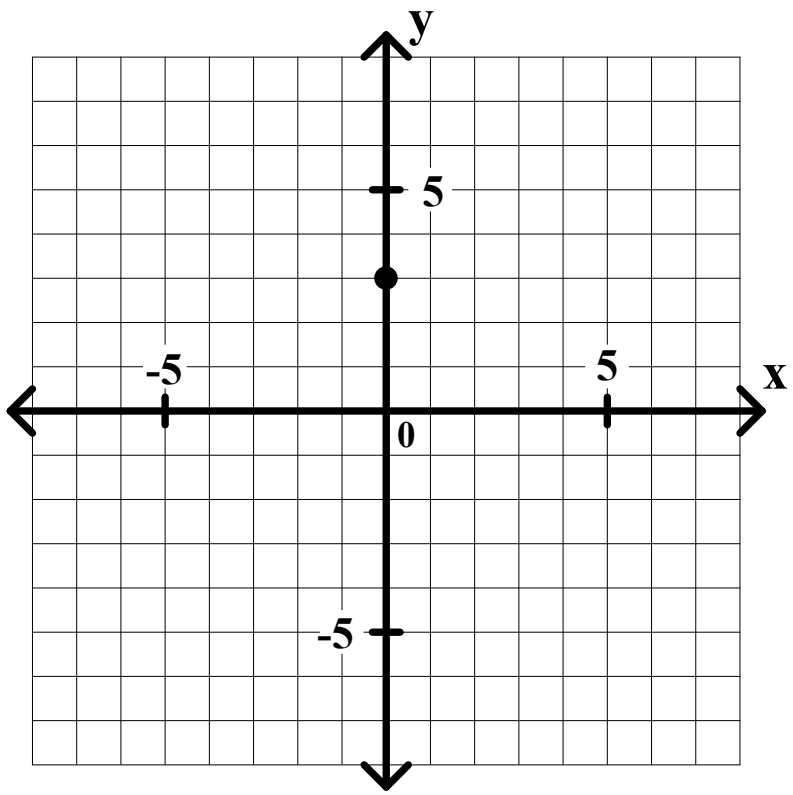

$$\text{slope} = \frac{\text{rise}}{\text{run}} = \frac{-3}{4}$$

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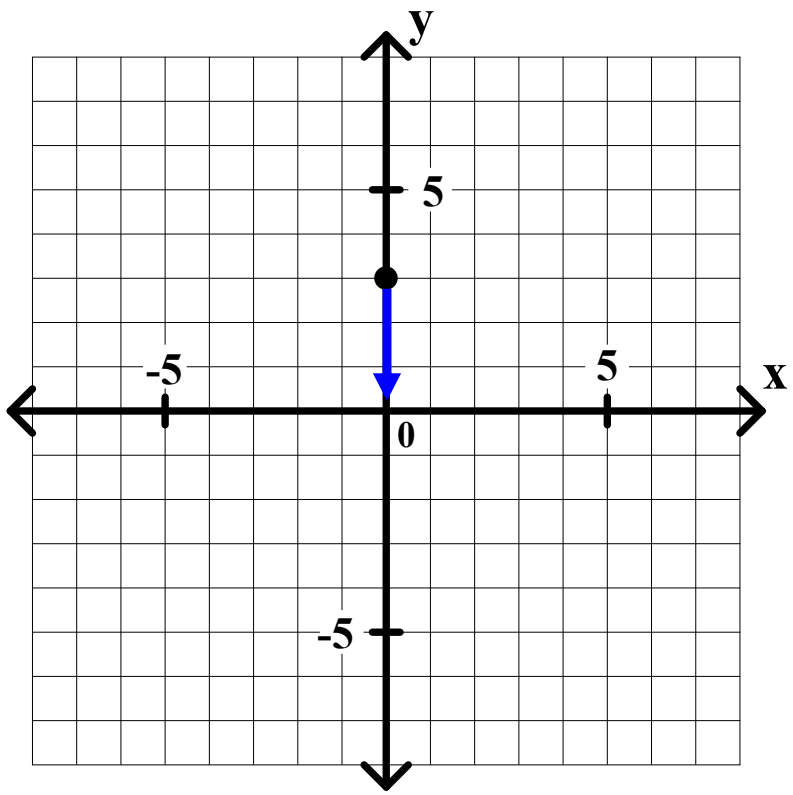

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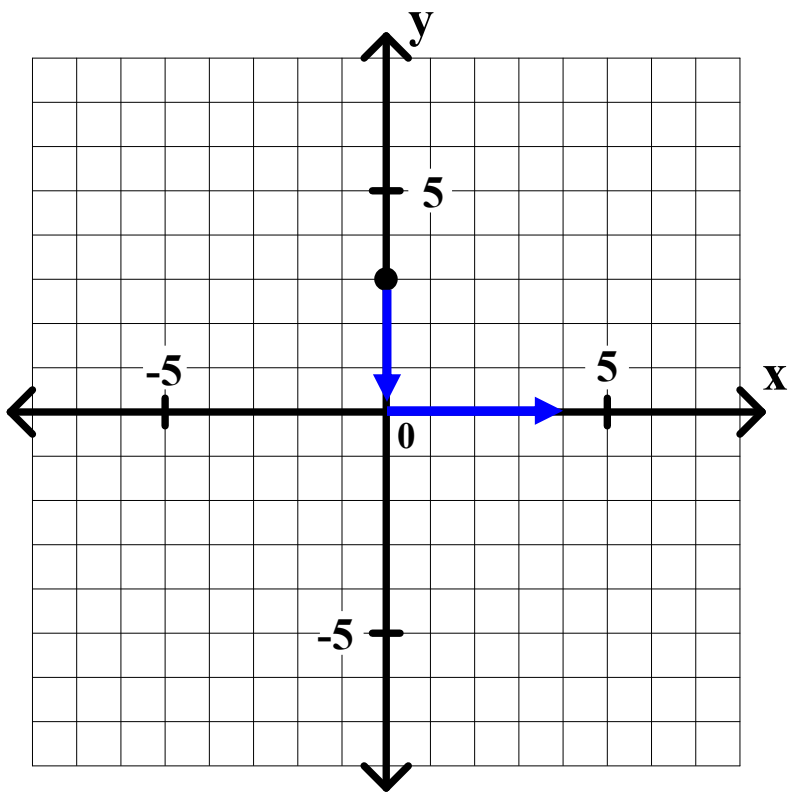

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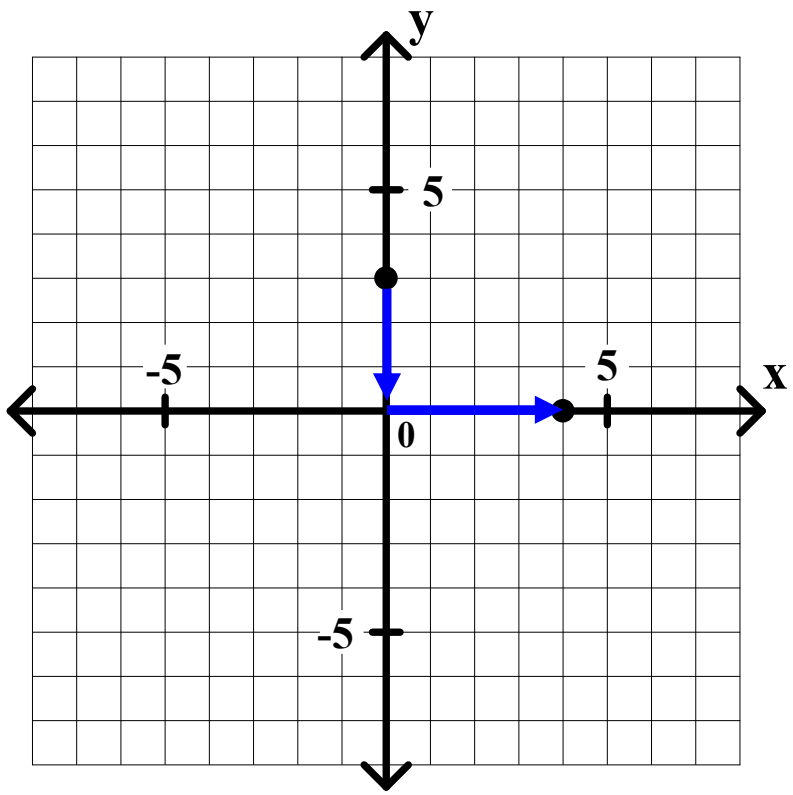

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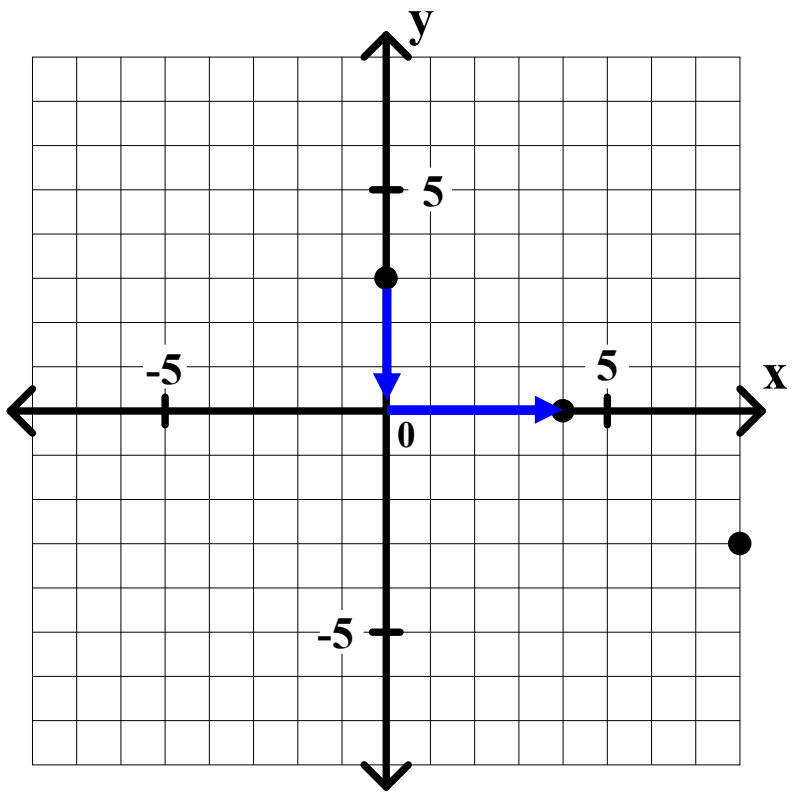

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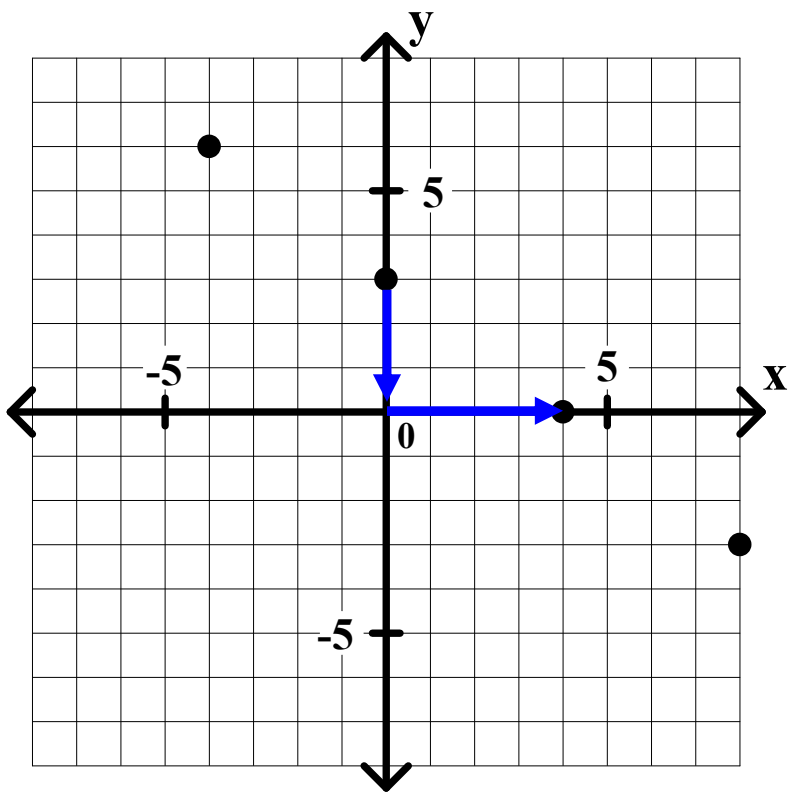

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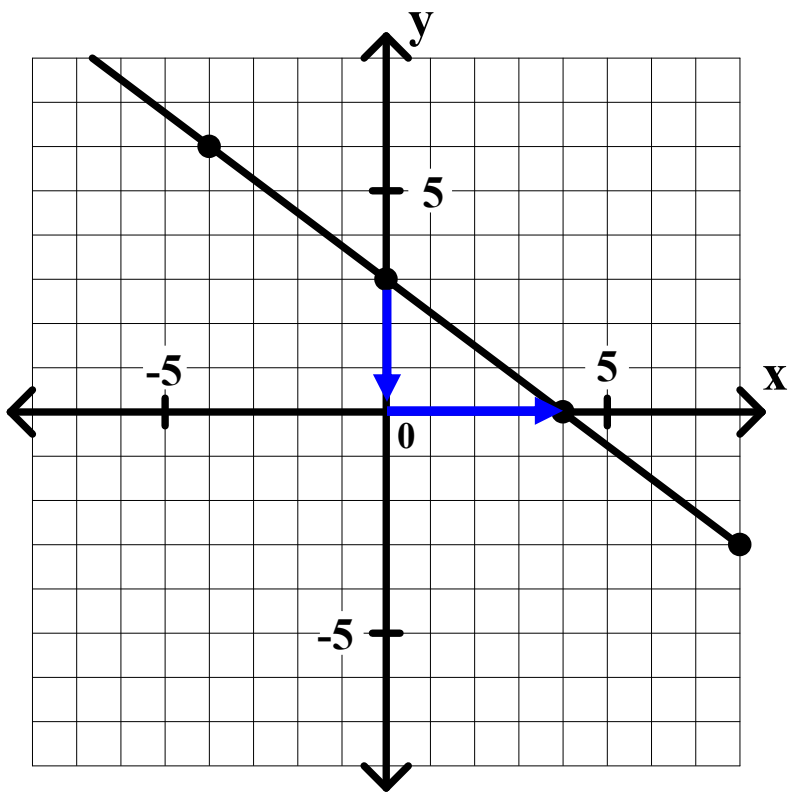

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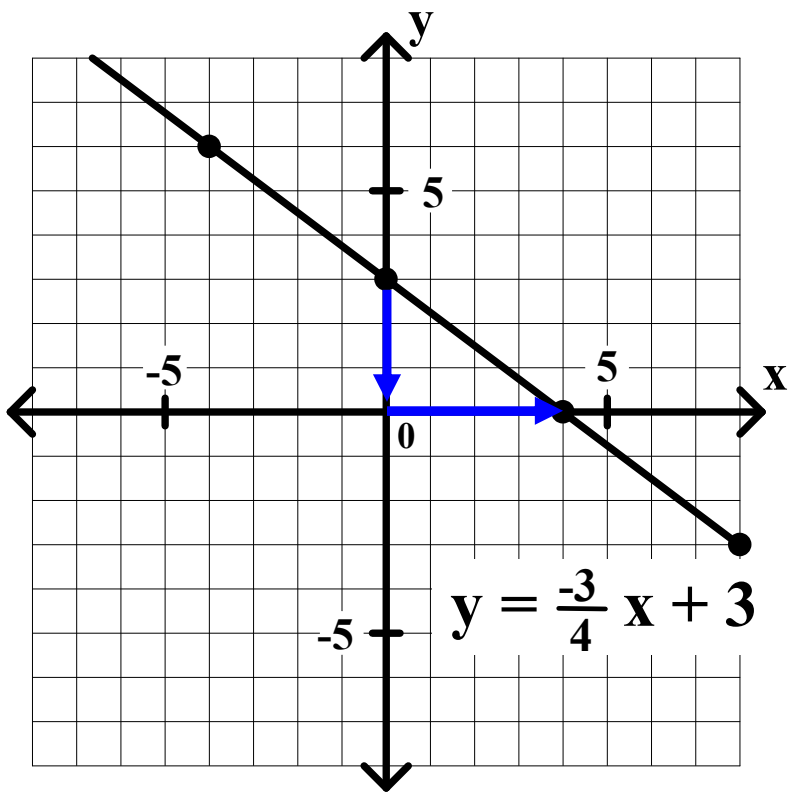

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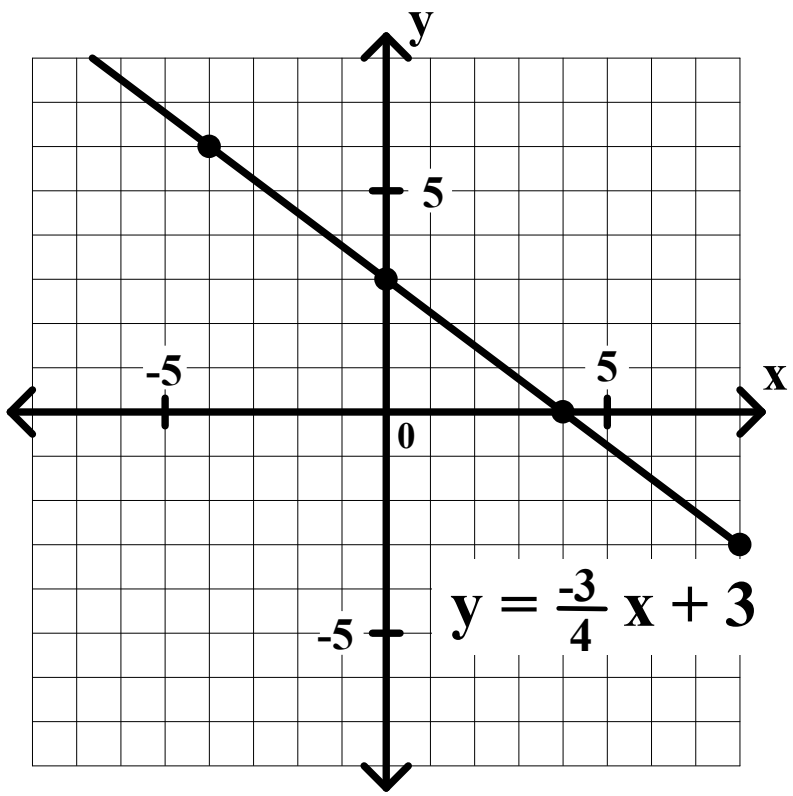

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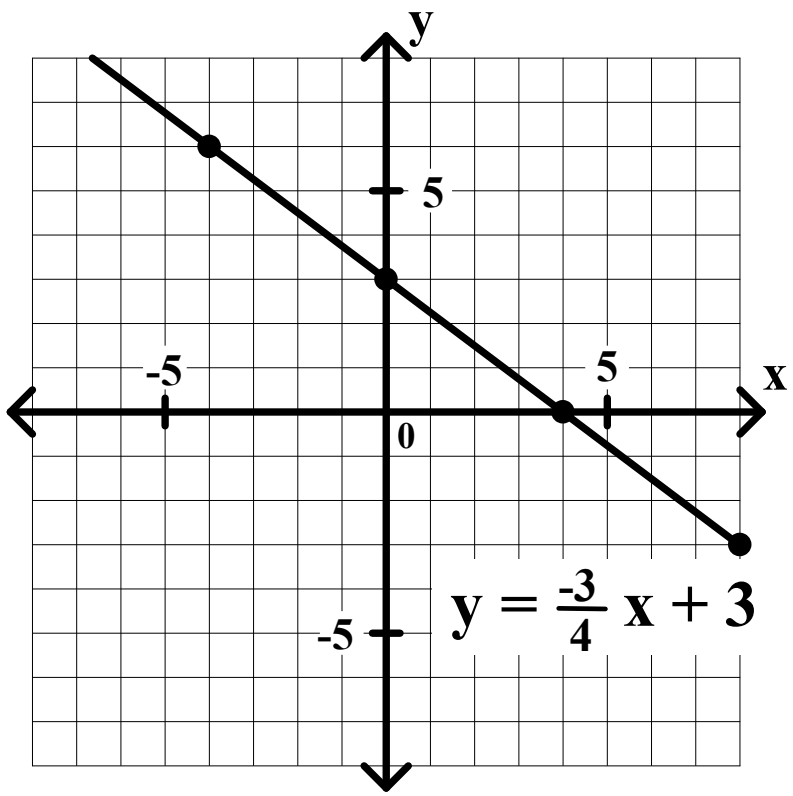

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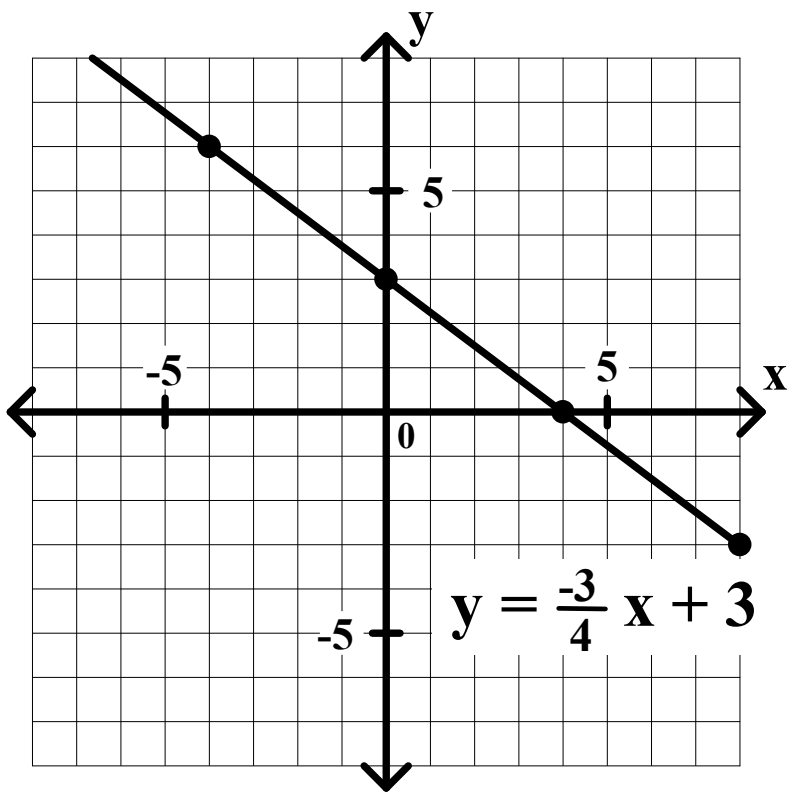

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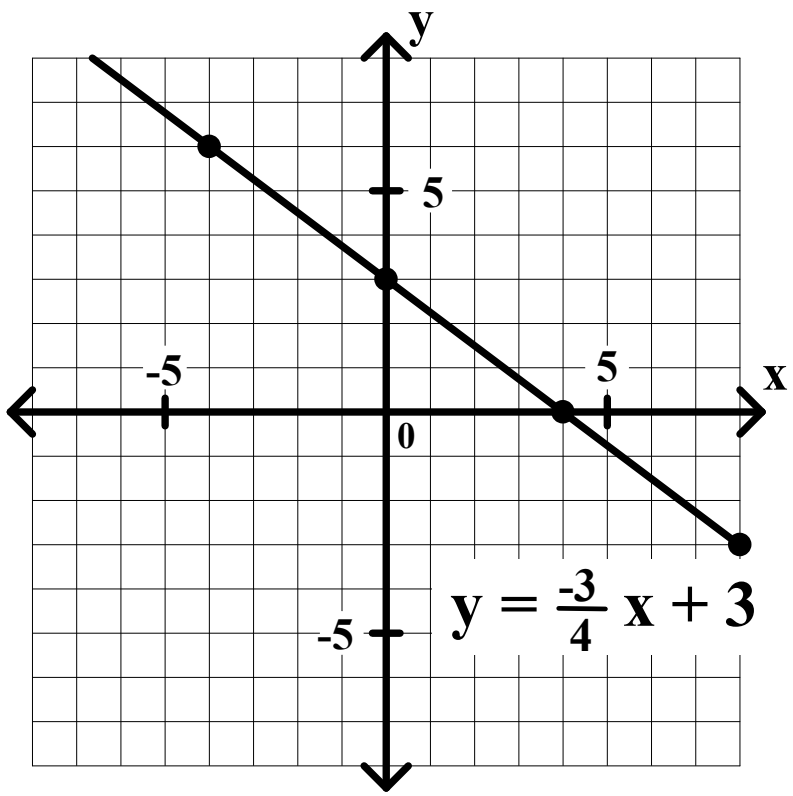

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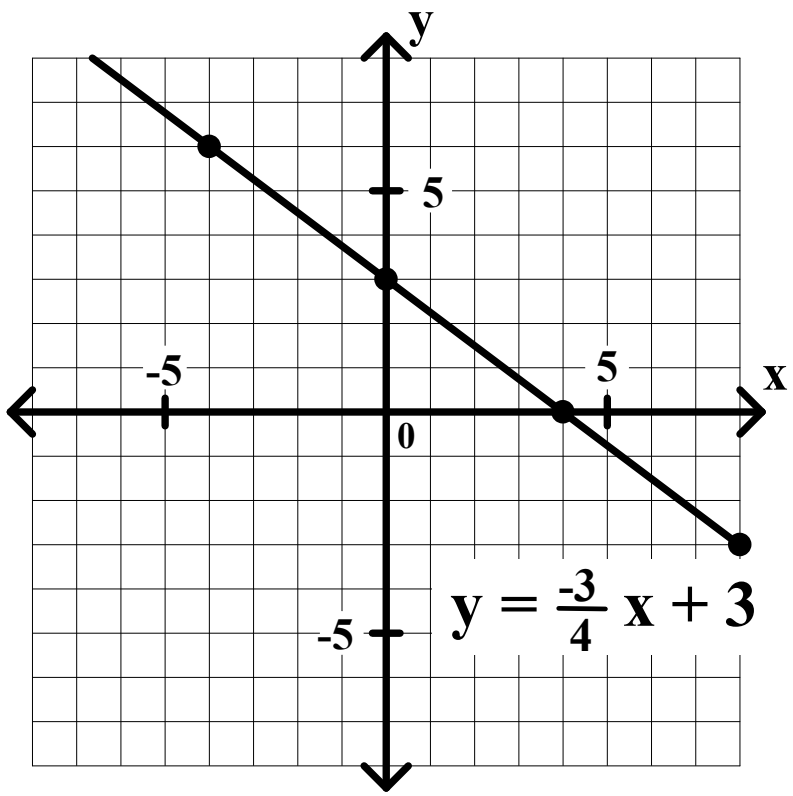

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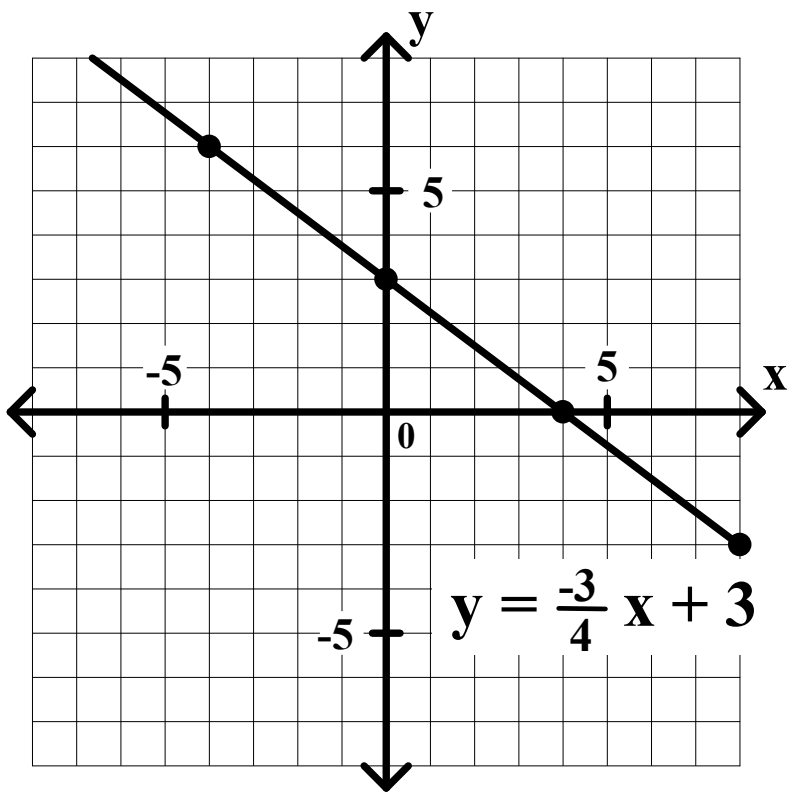

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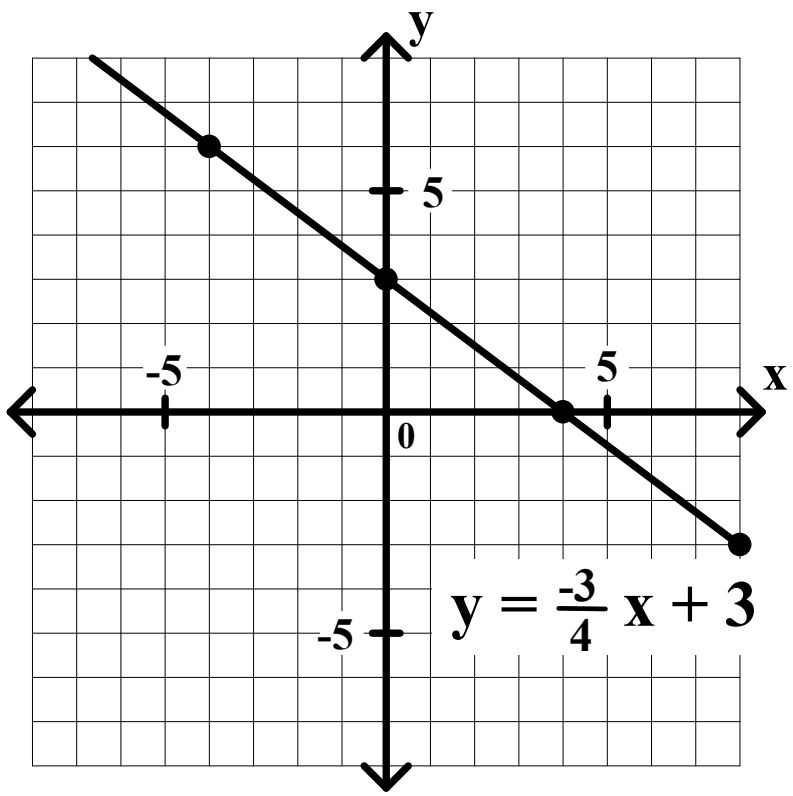

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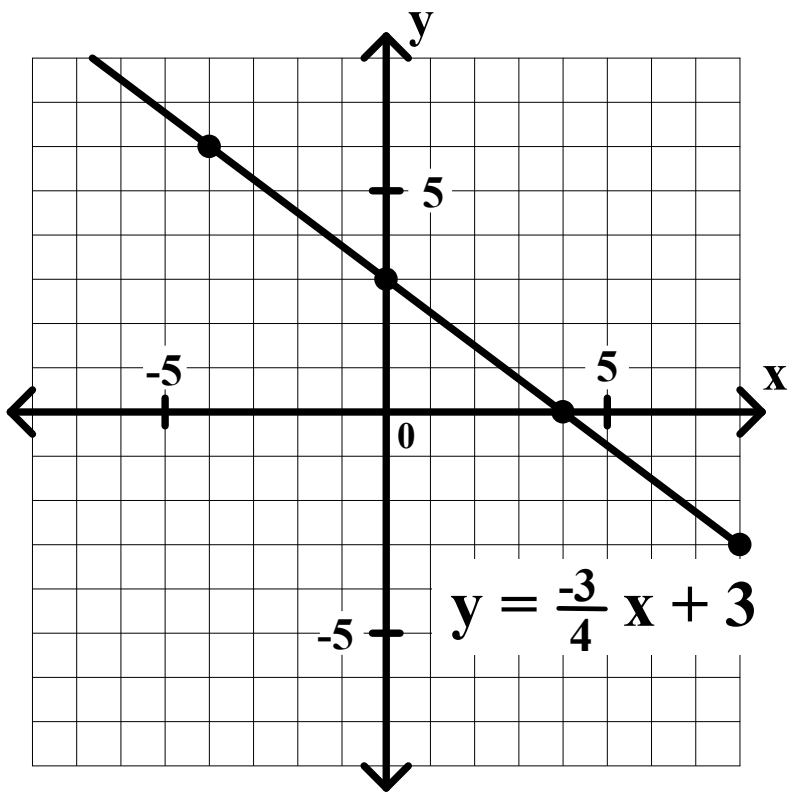

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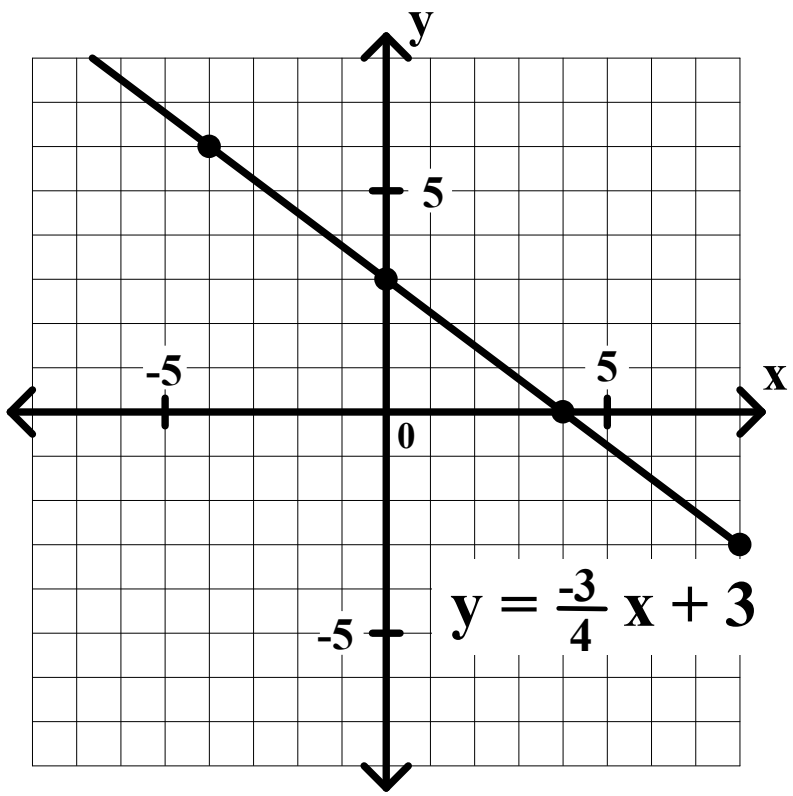

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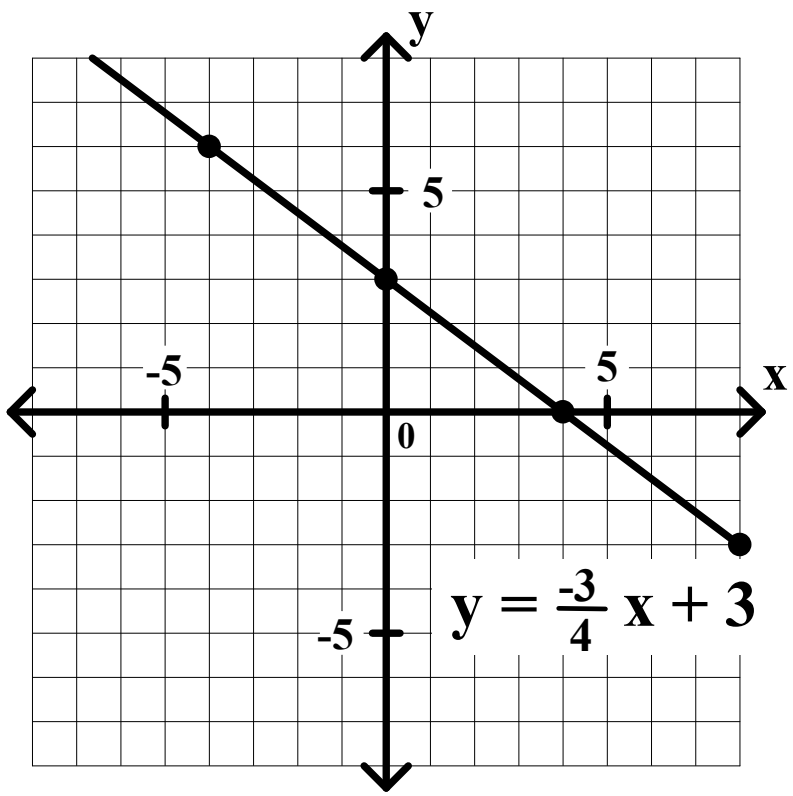

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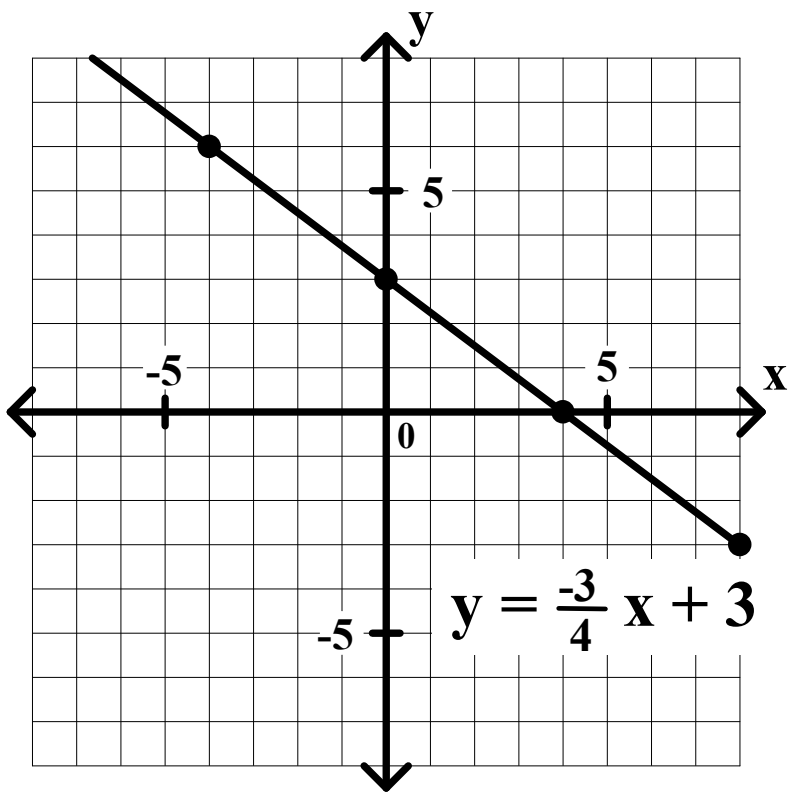

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Use the y-intercept and the slope to graph the equation.

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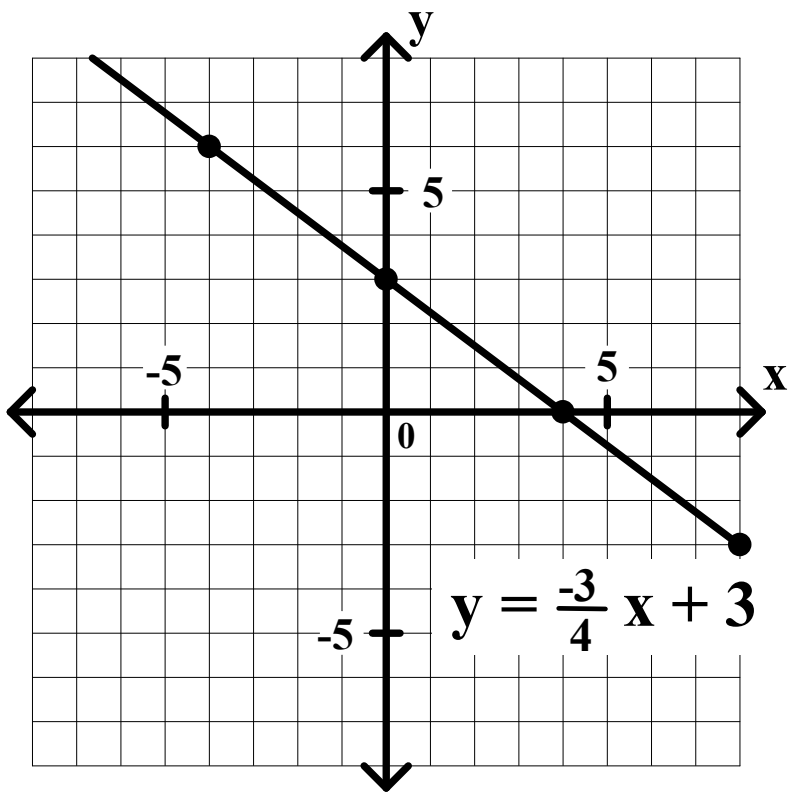

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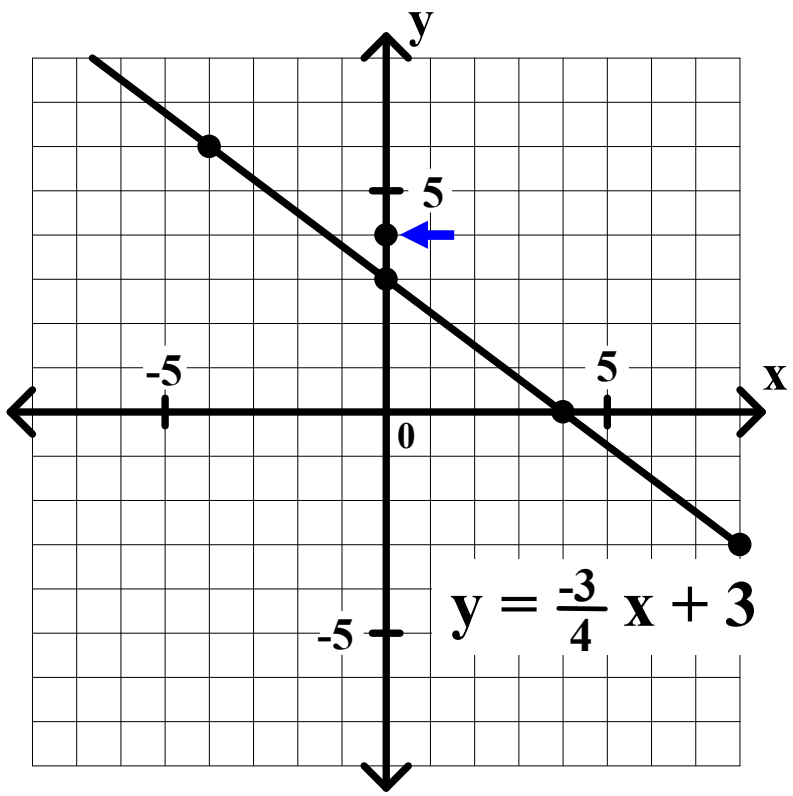

4. $6x - 3y = -12$

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y-intercept

Use the y-intercept and the slope to graph the equation.

General Algebra II CWS #1 Unit 2

Graph the equations.

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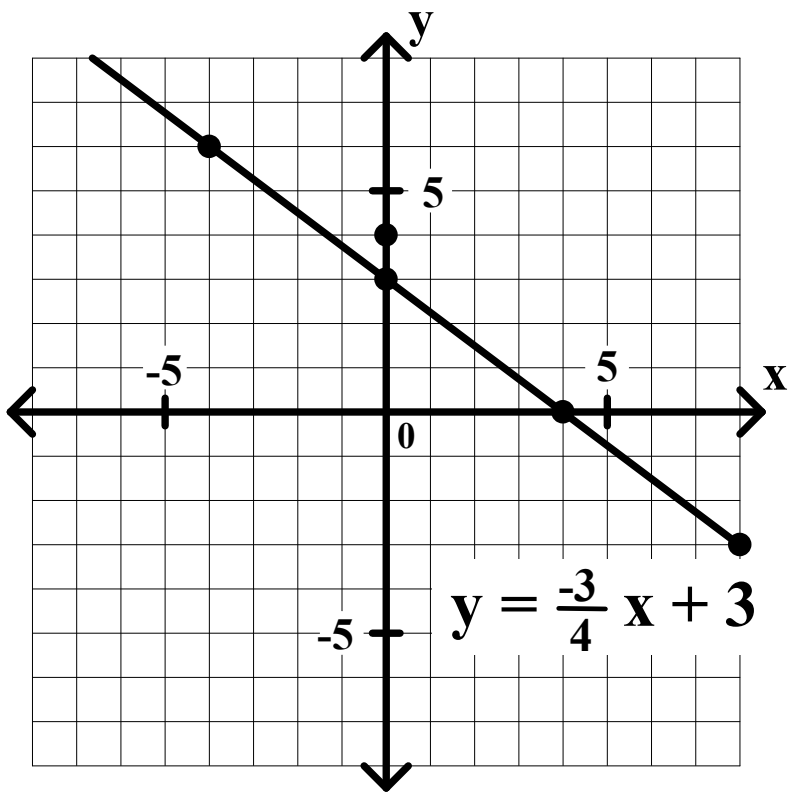

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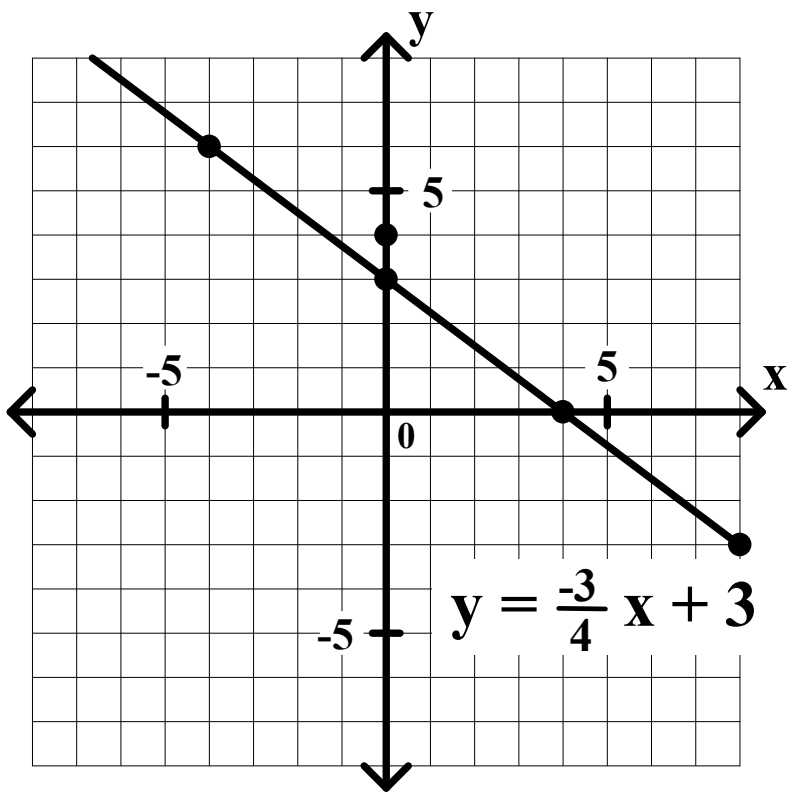

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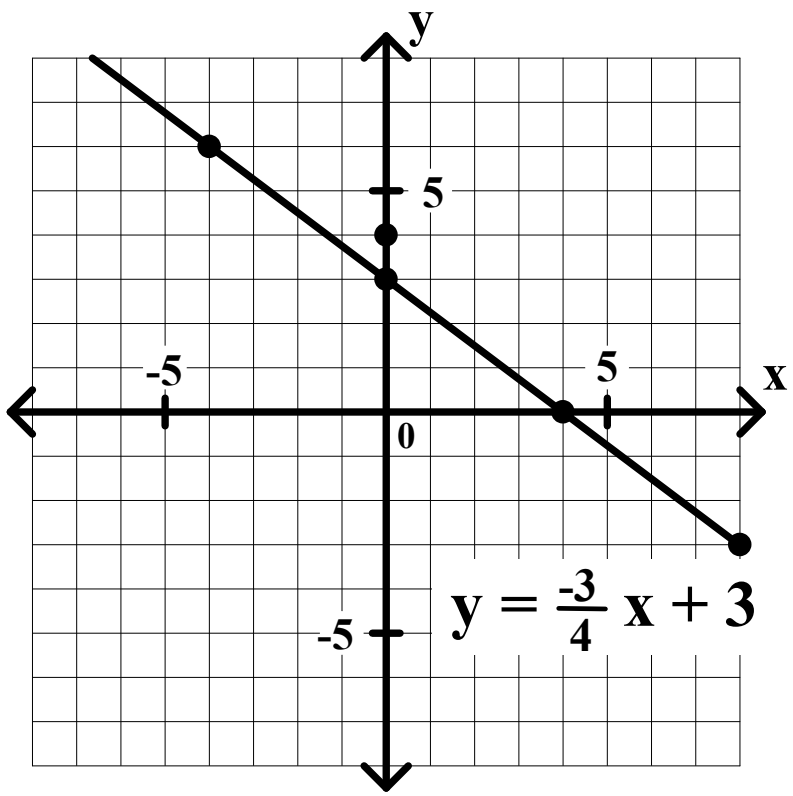

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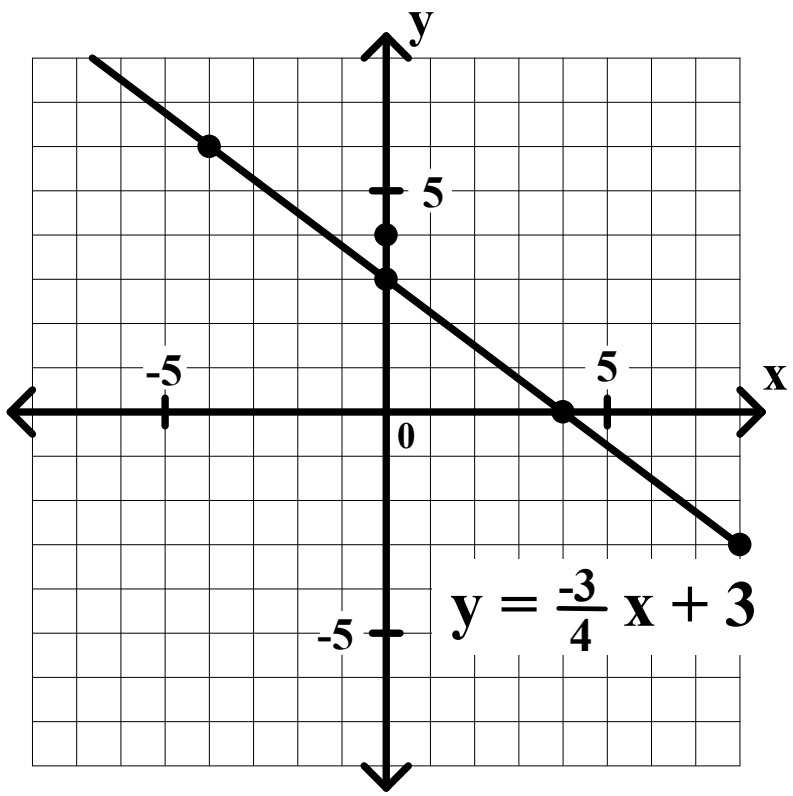

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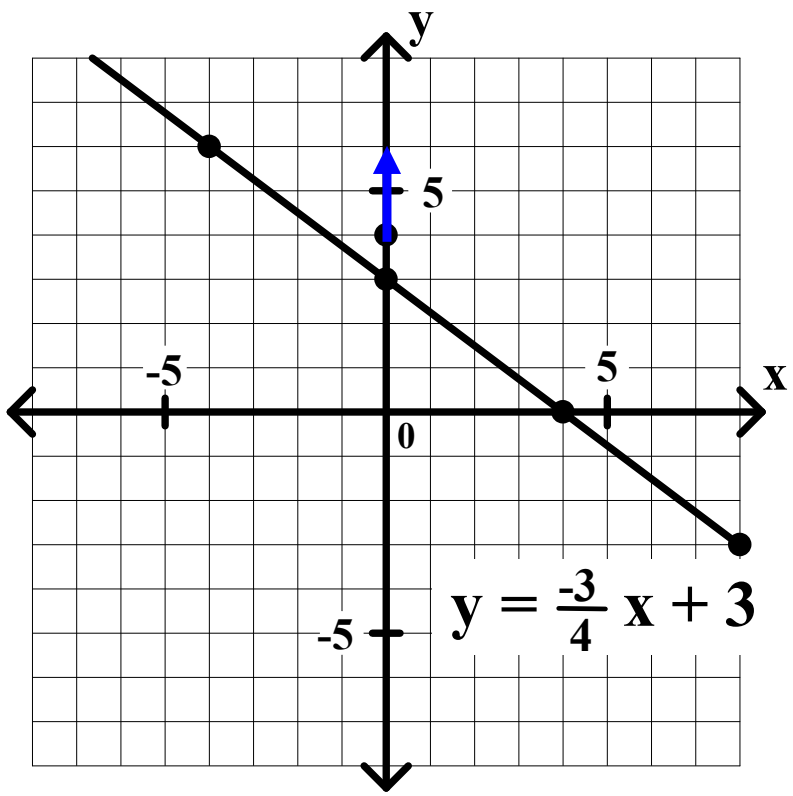

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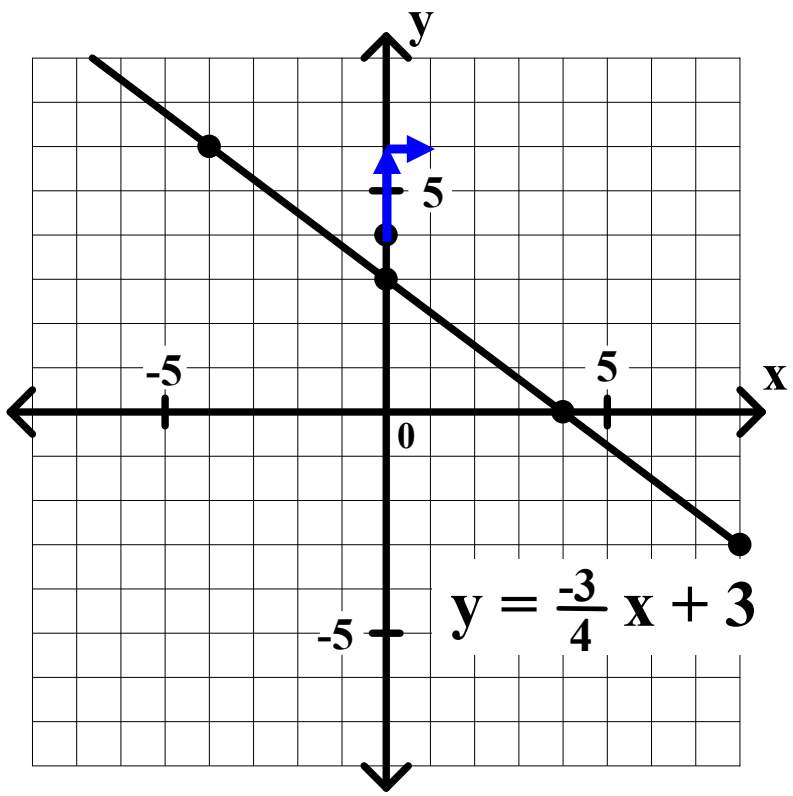

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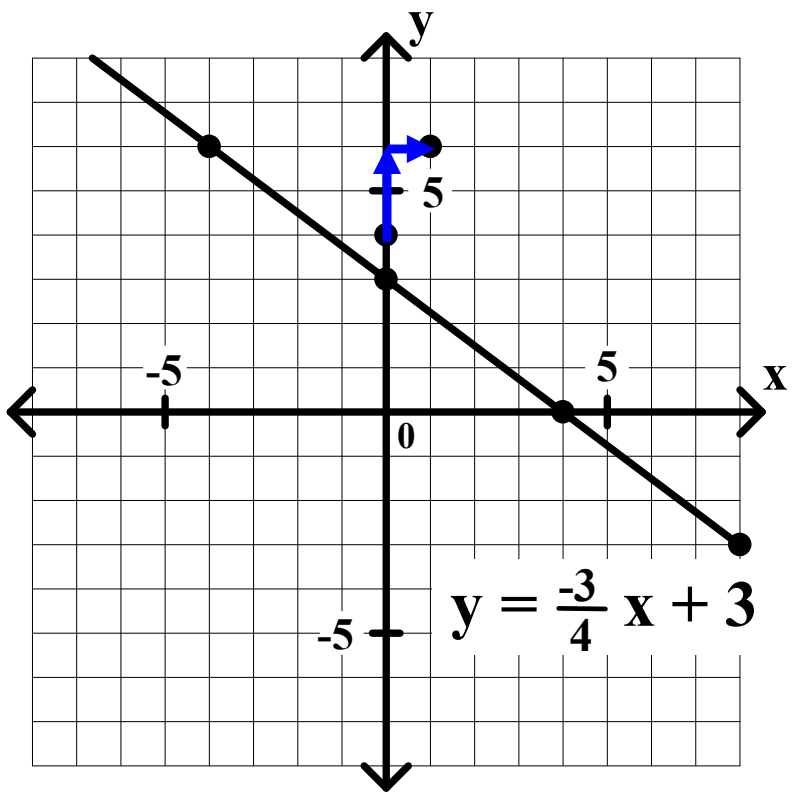

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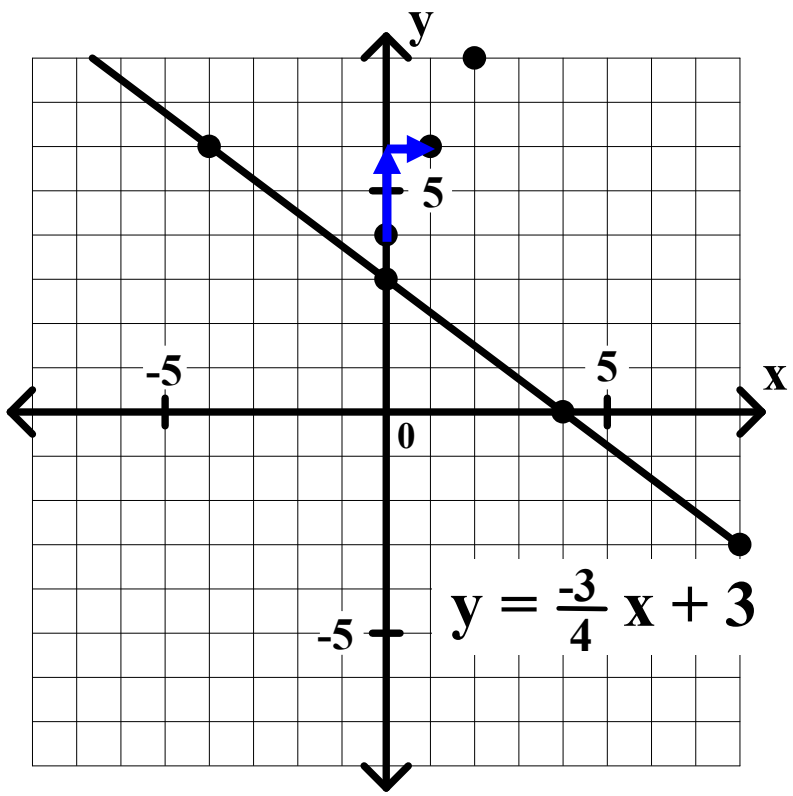

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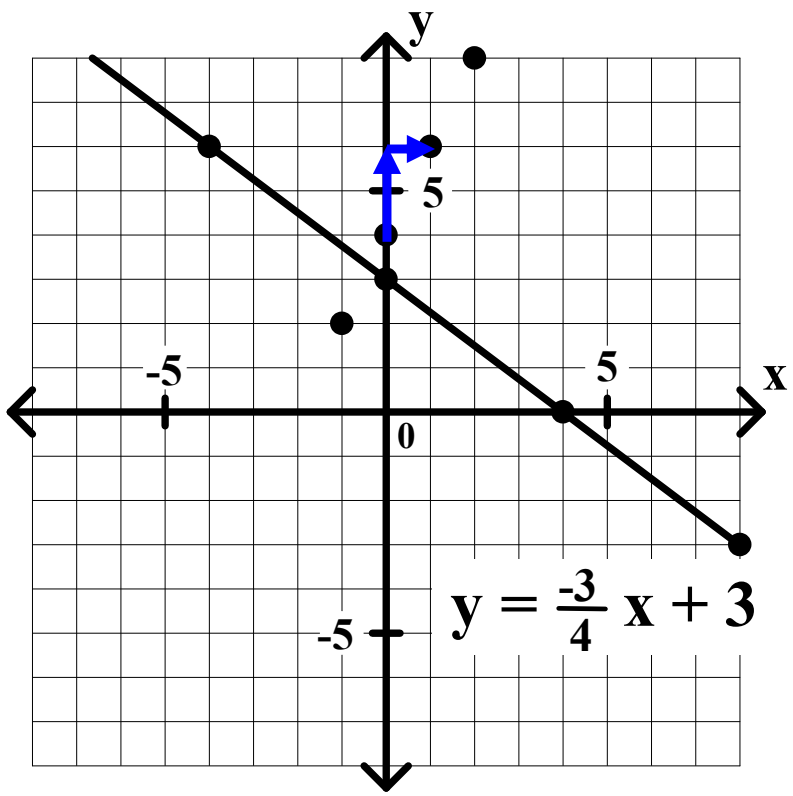

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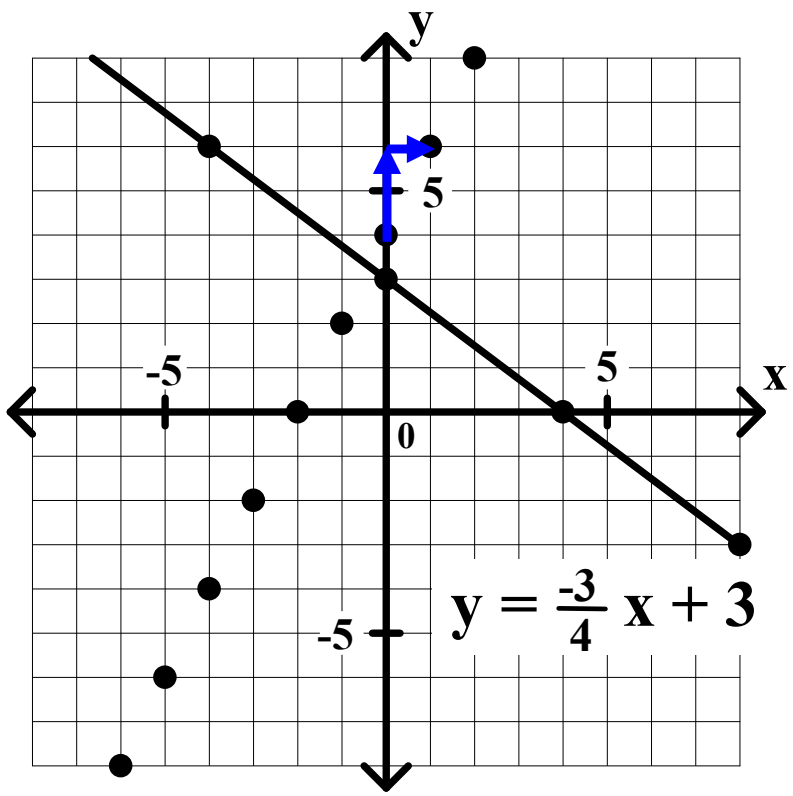

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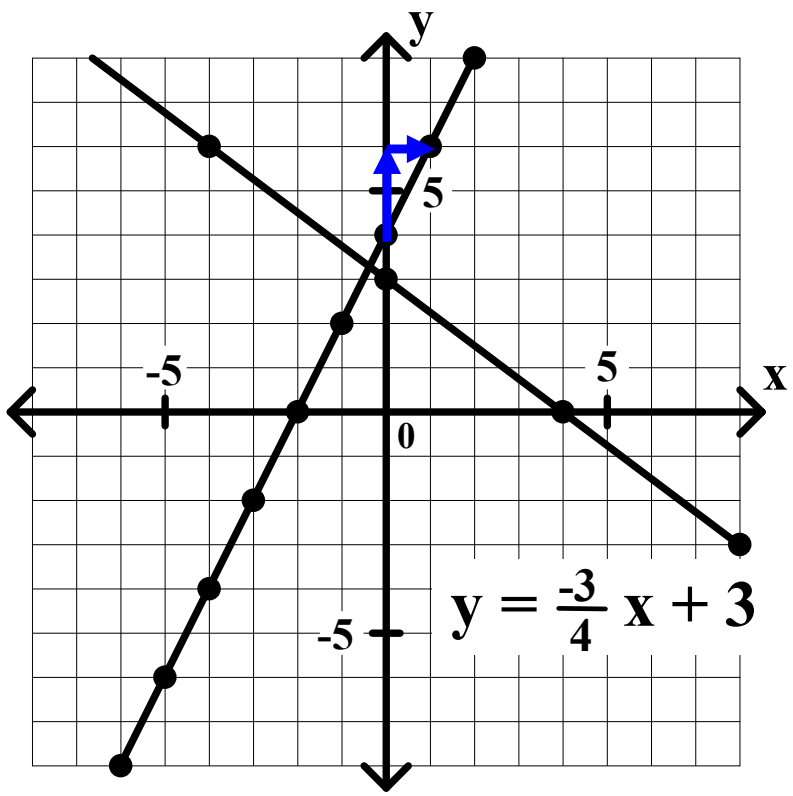

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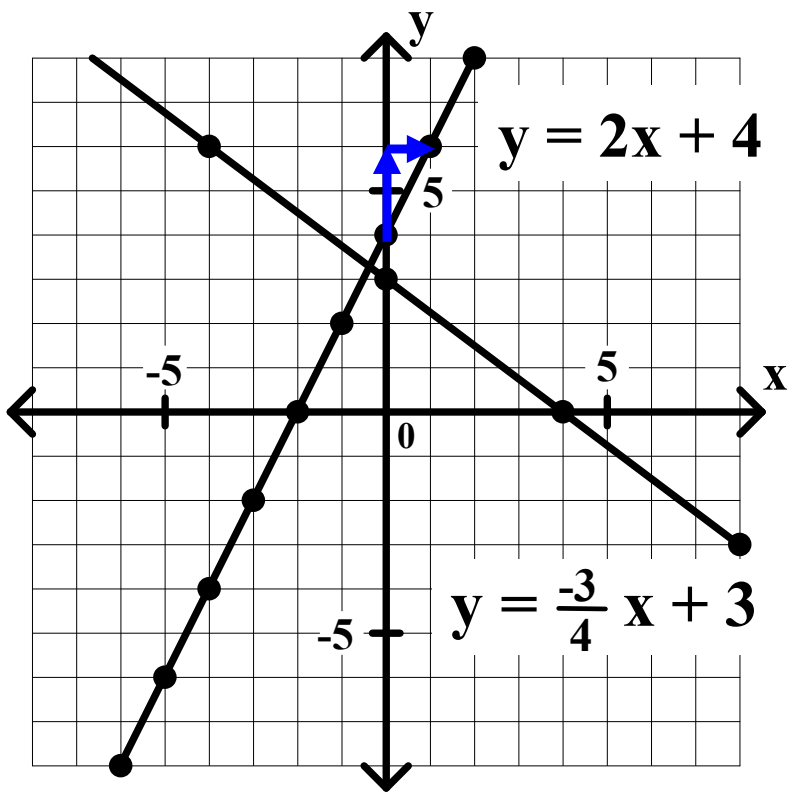

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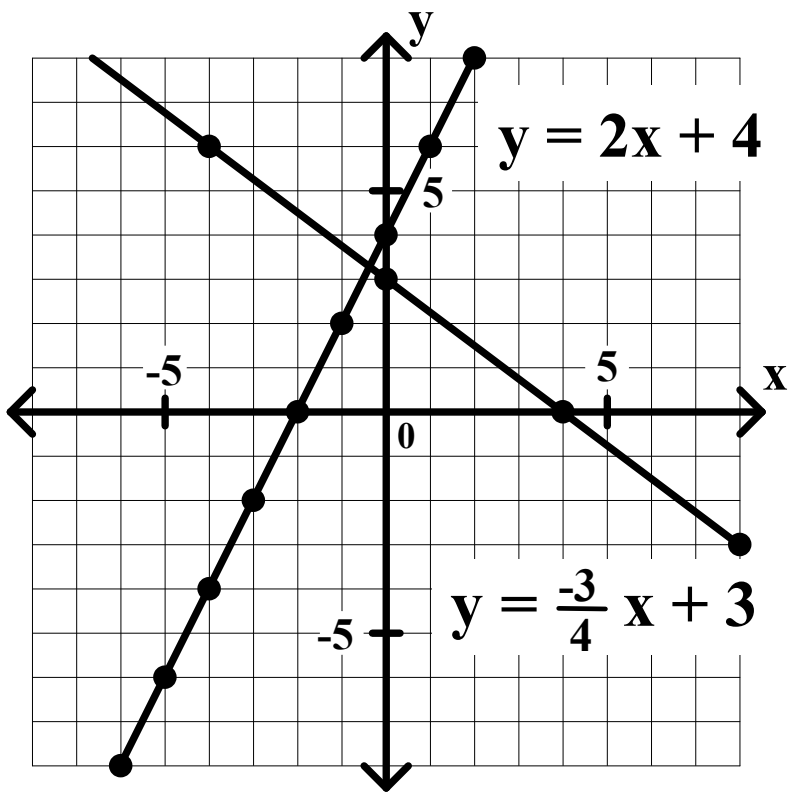

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General Algebra II CWS #1 Unit 2

Graph the equations.

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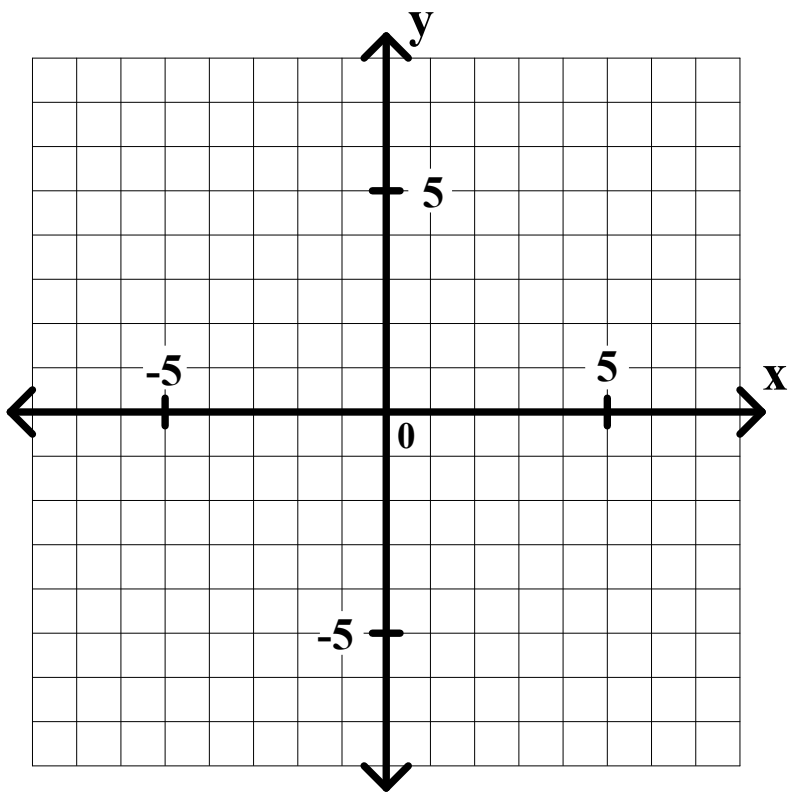

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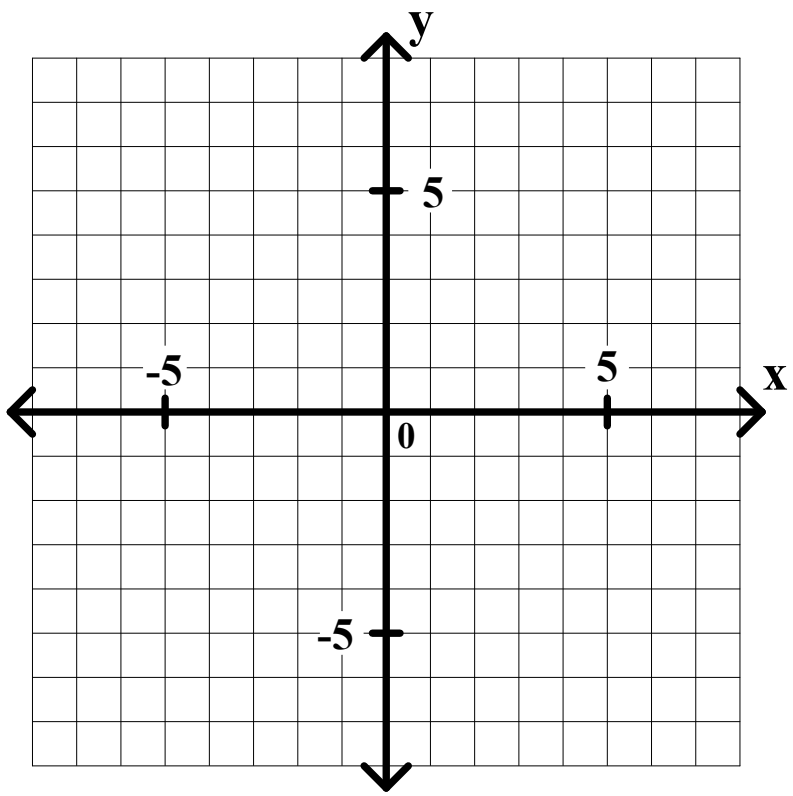

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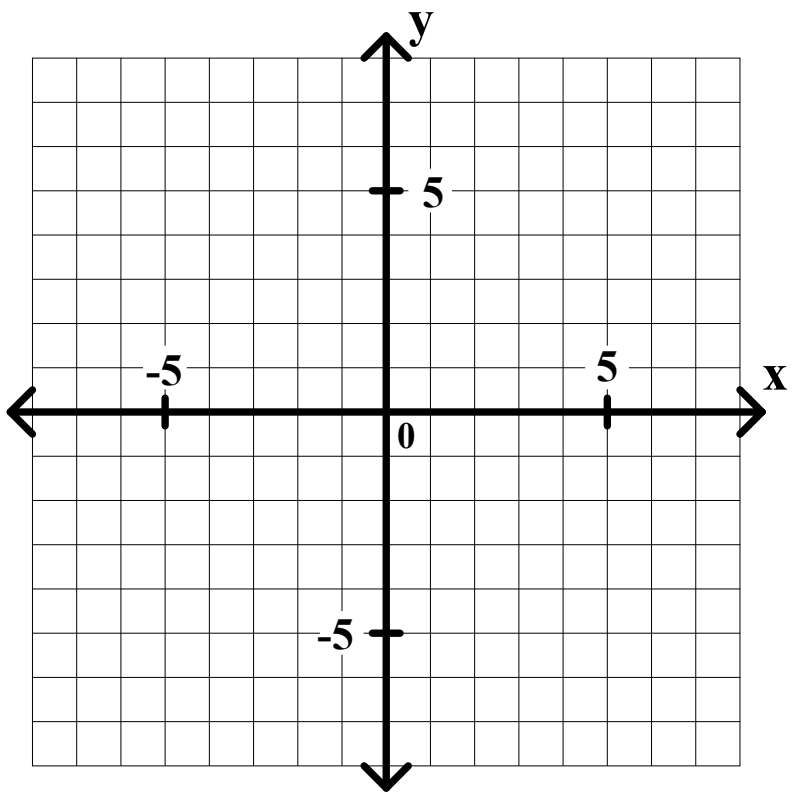

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Solve for y.

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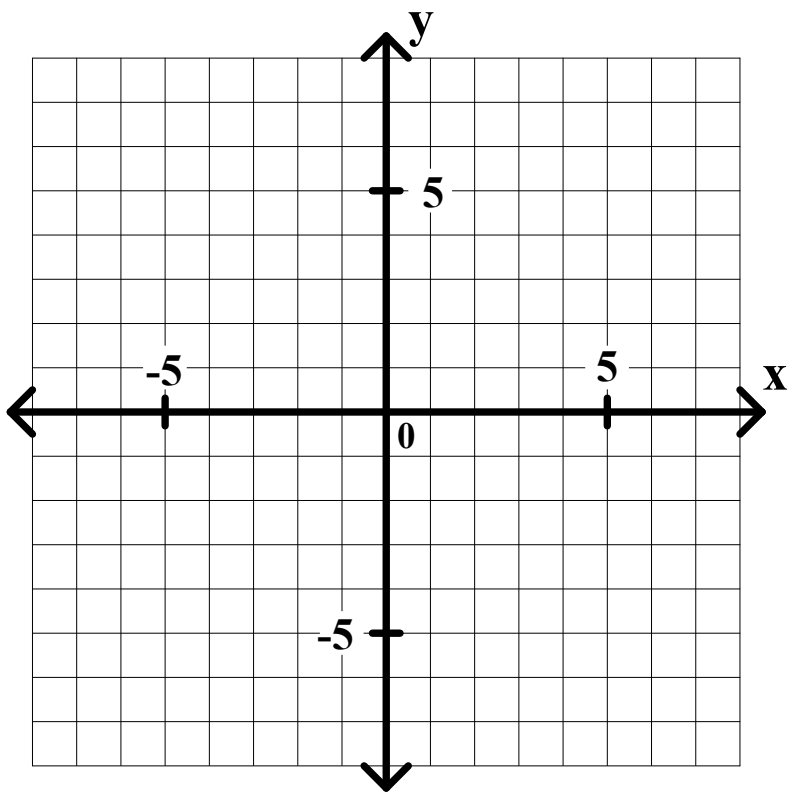

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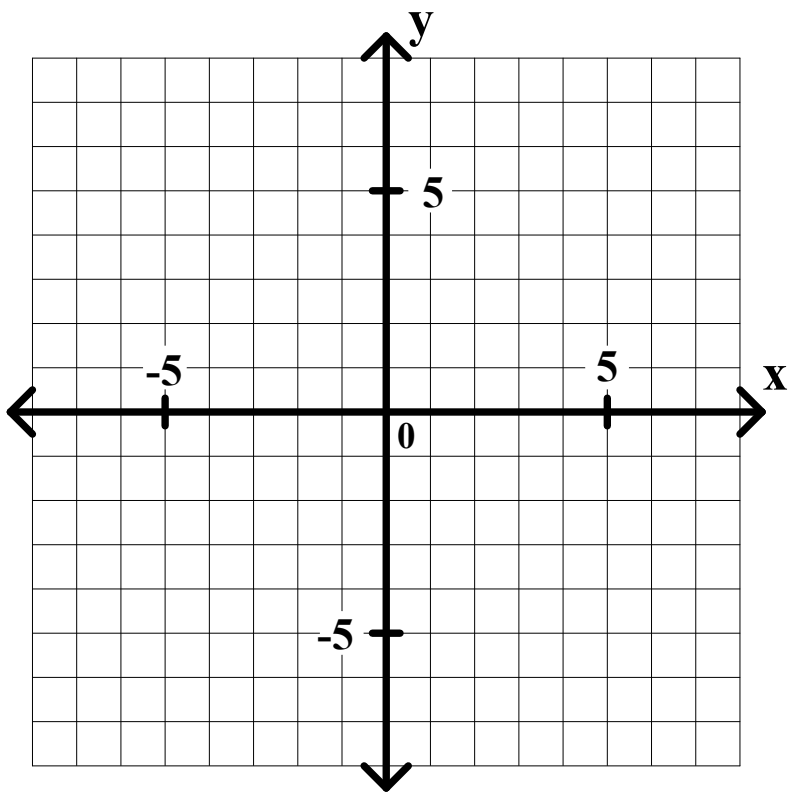

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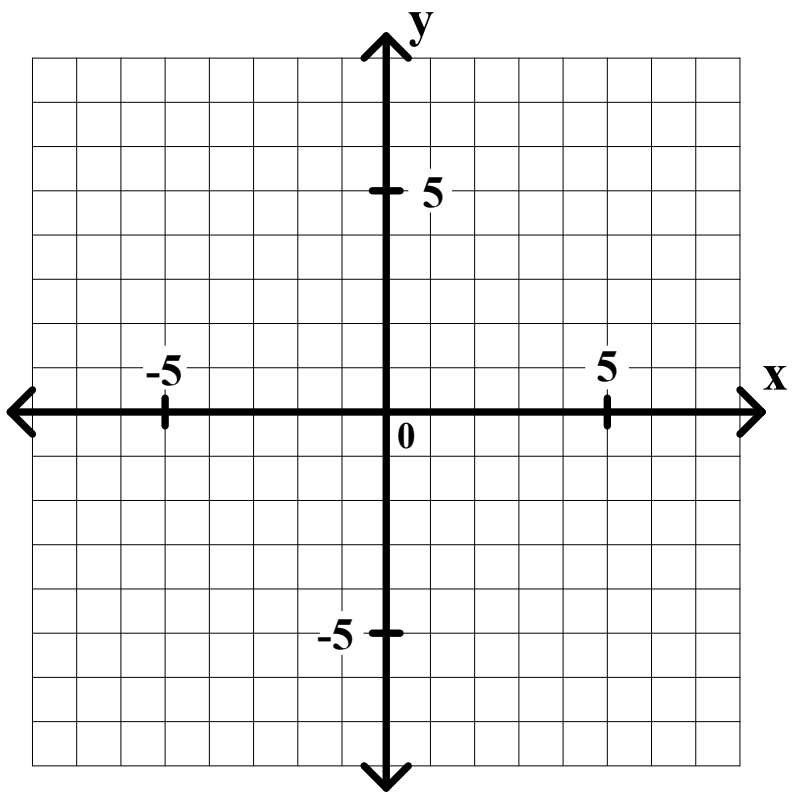

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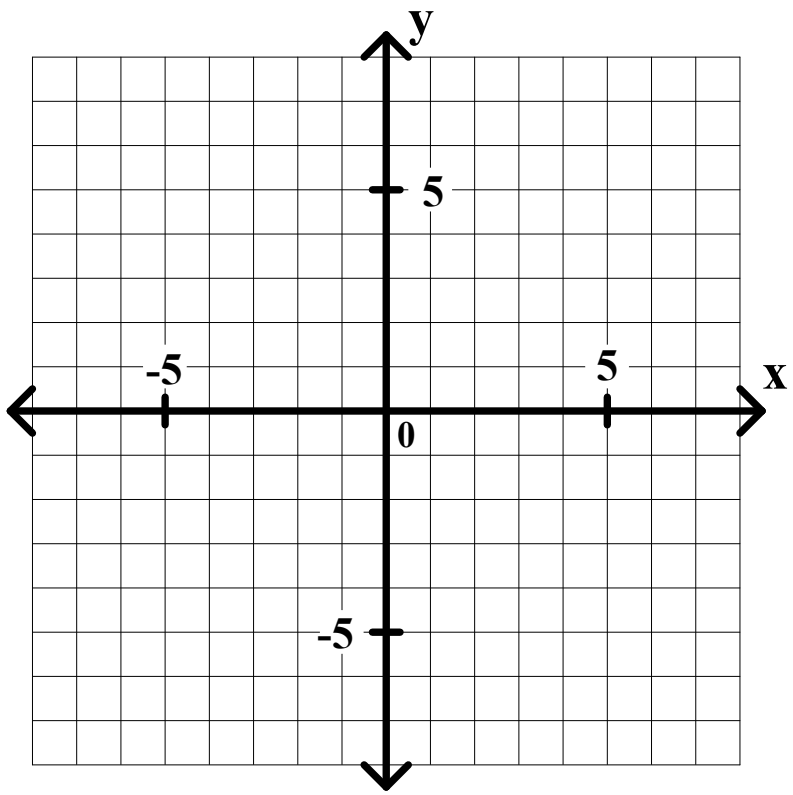

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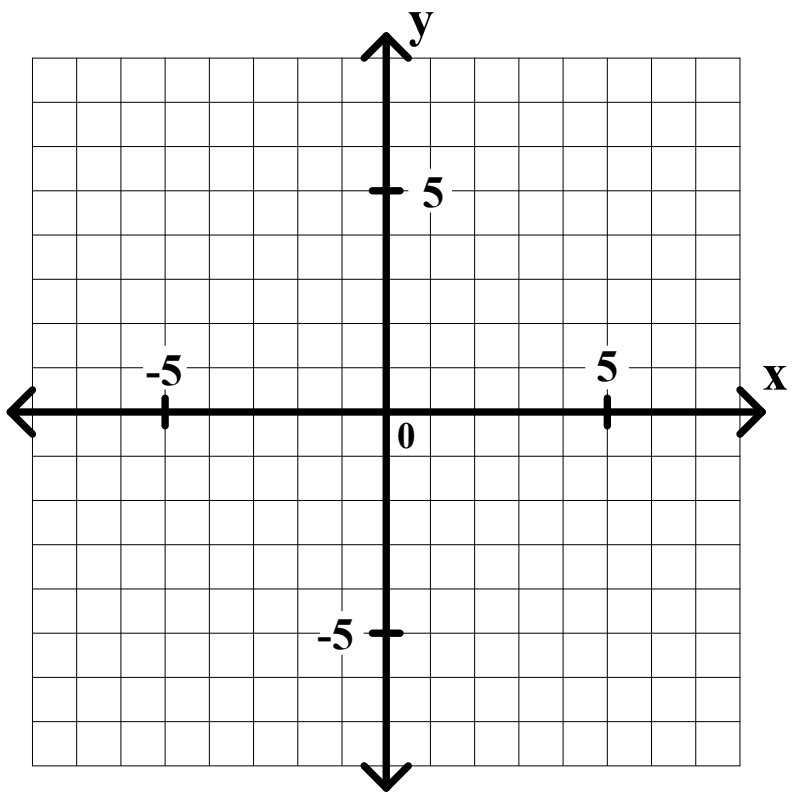

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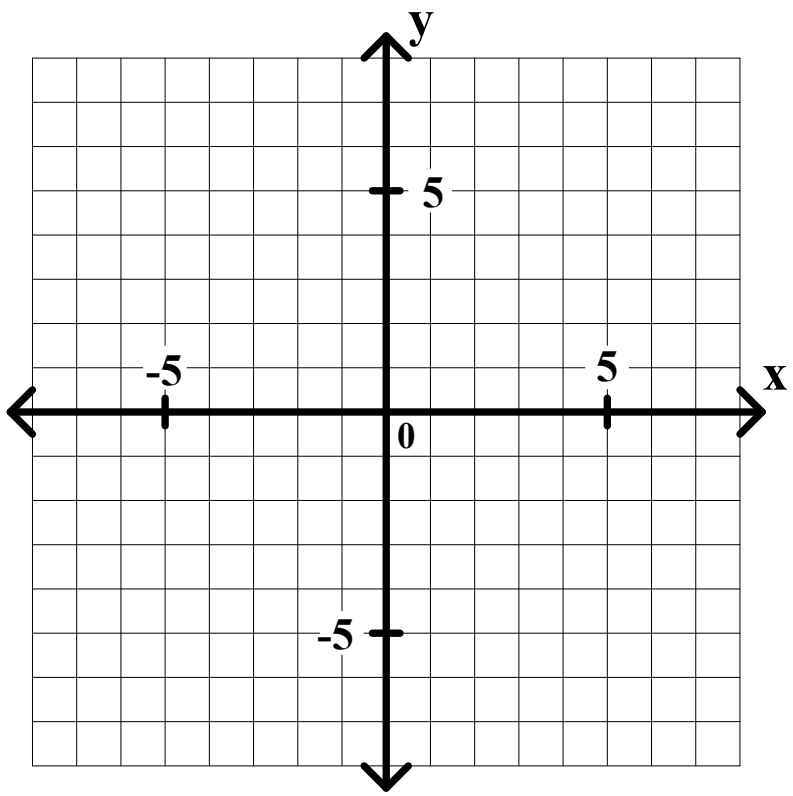

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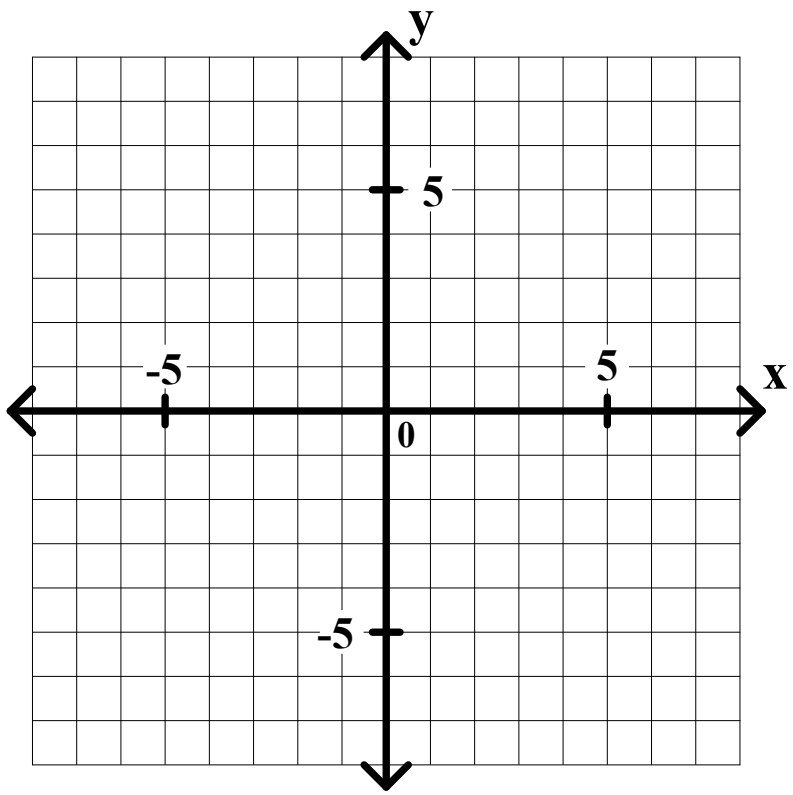

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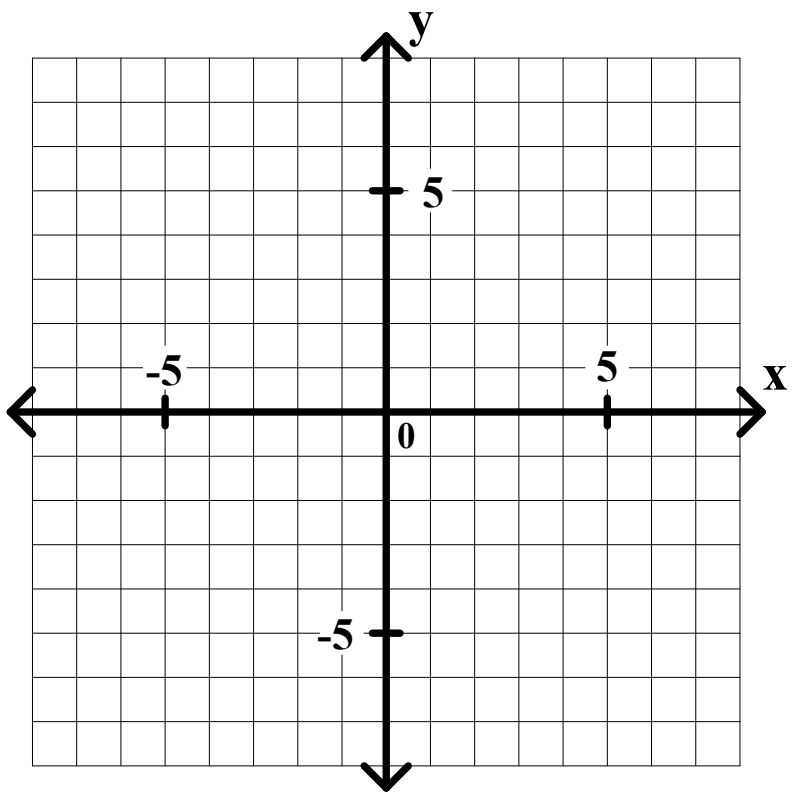

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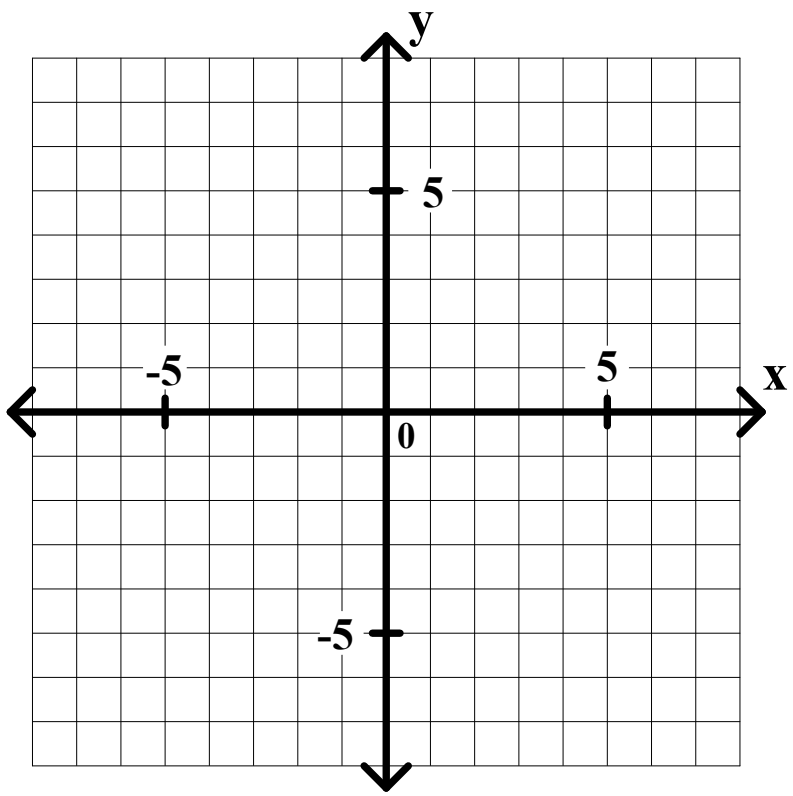

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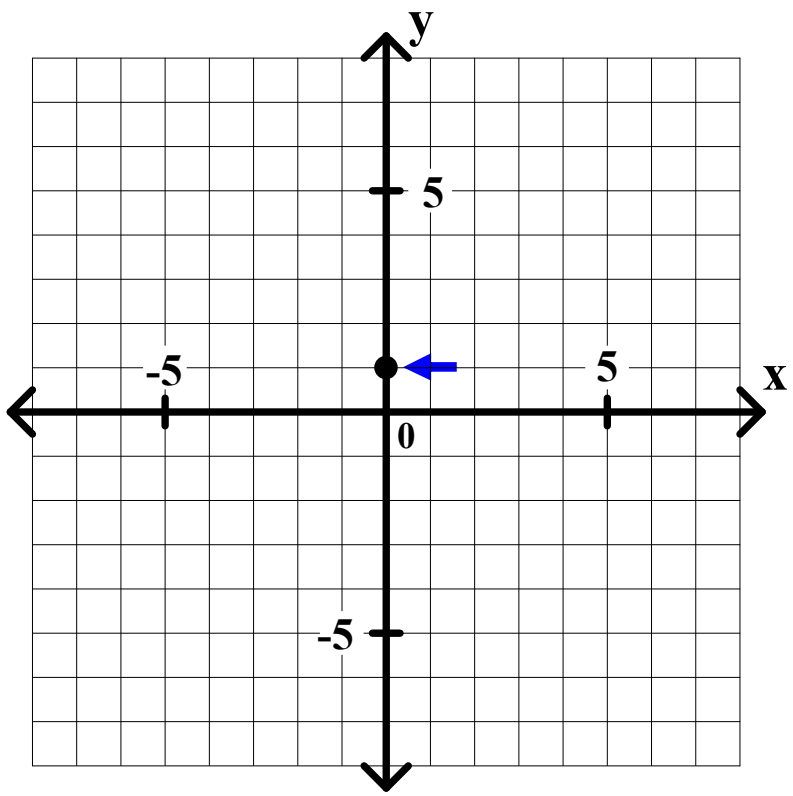

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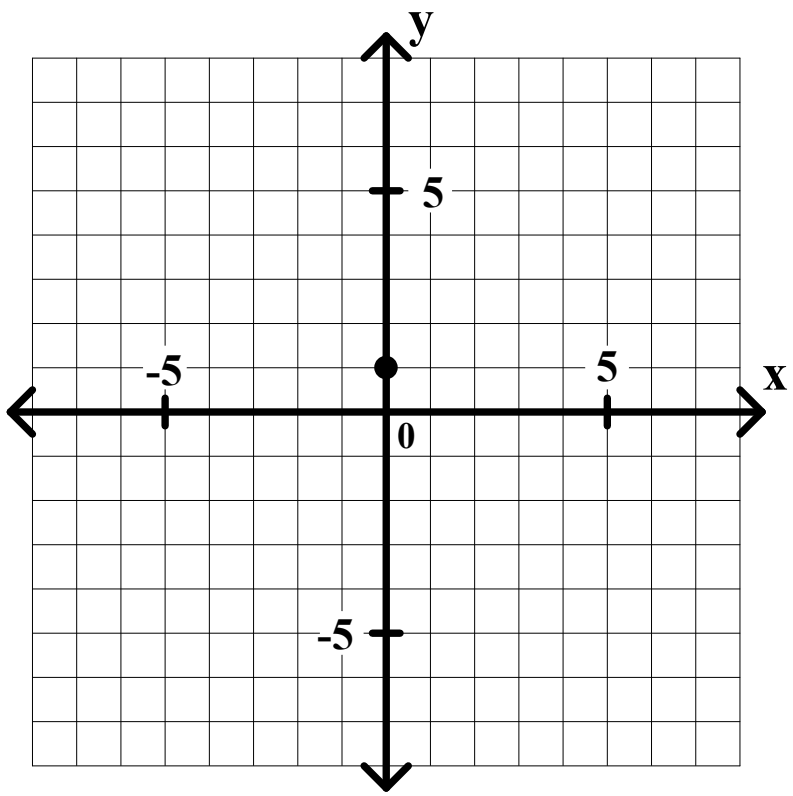

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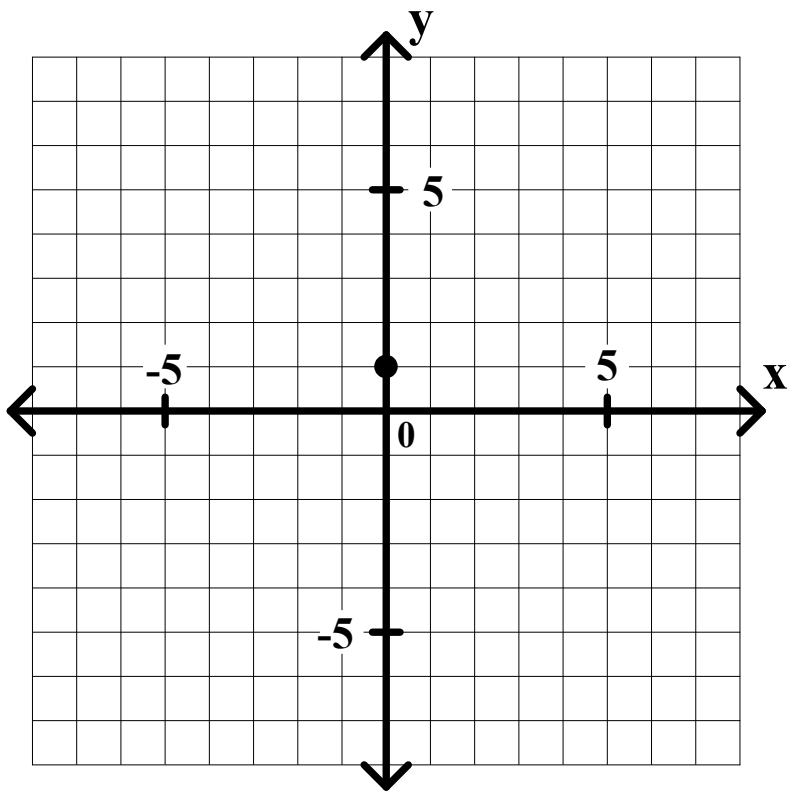

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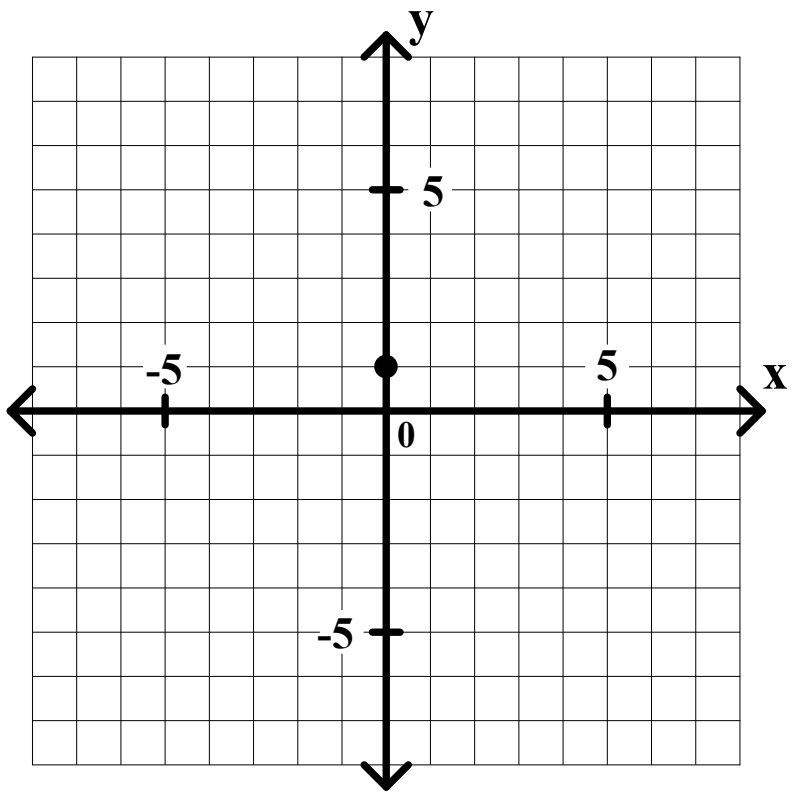

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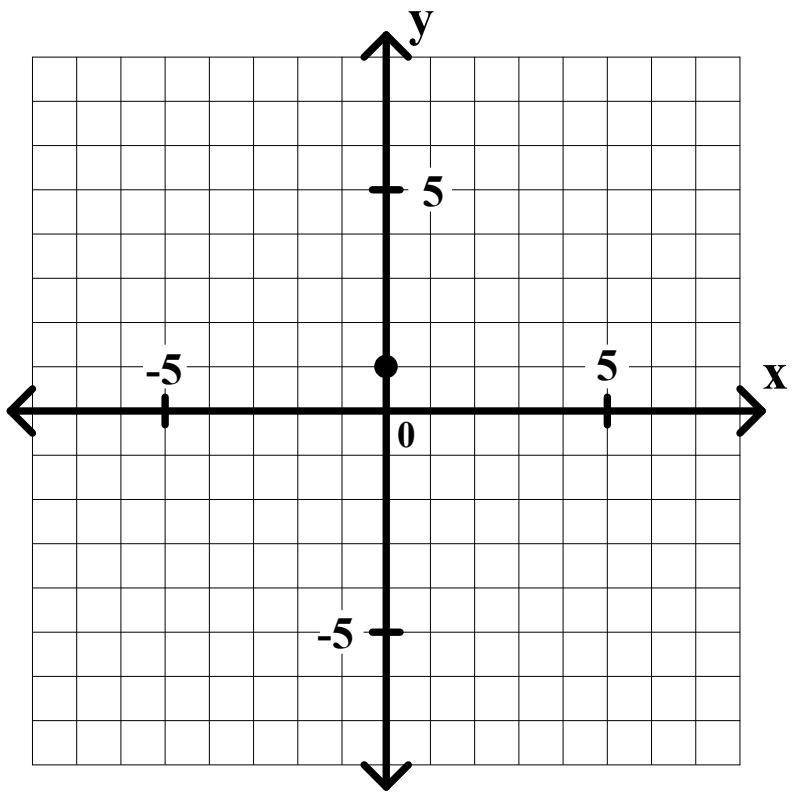

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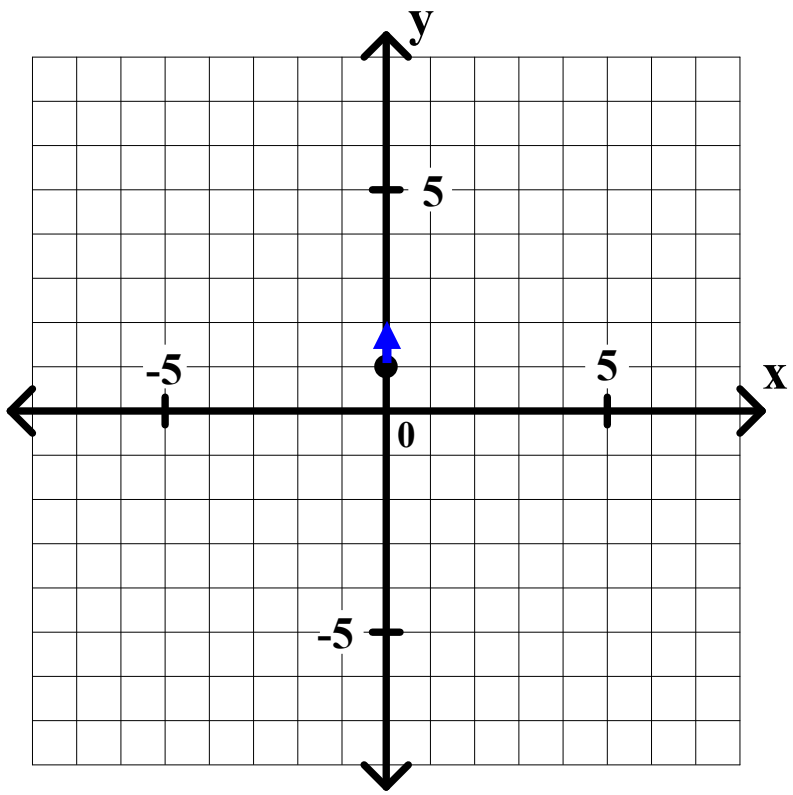

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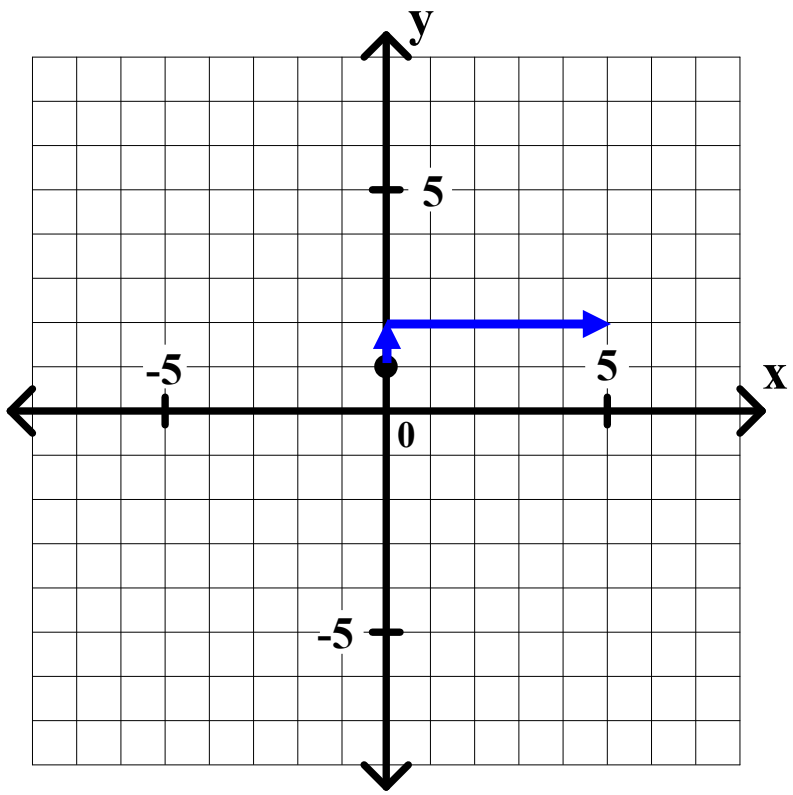

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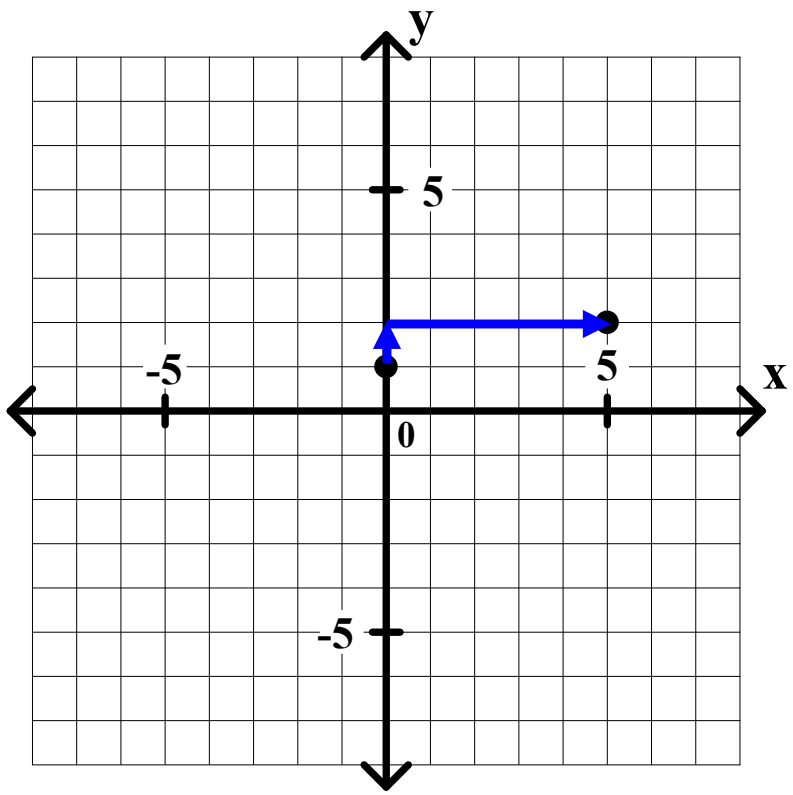

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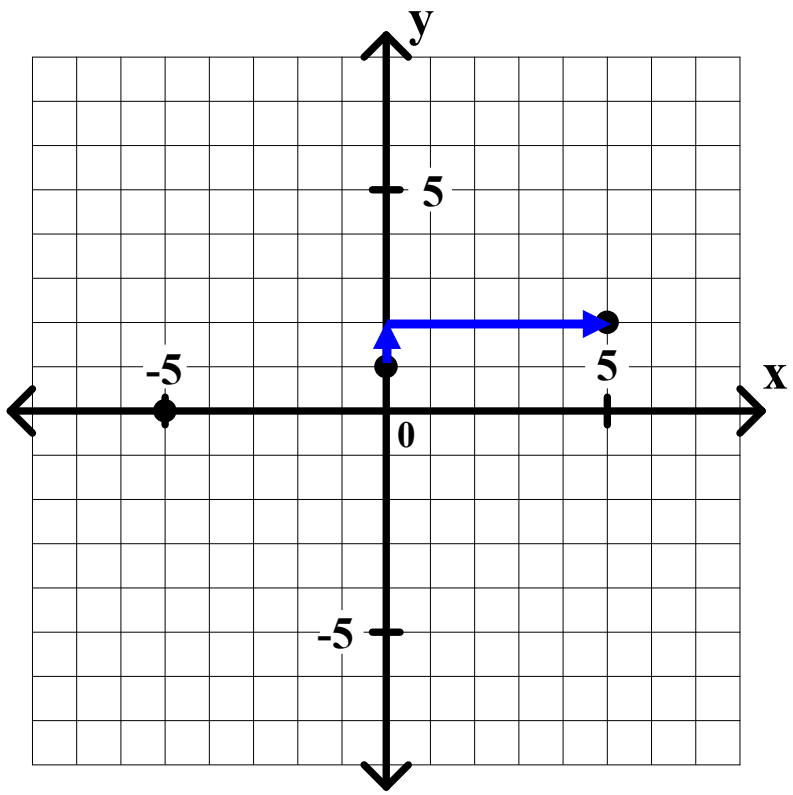

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General Algebra II CWS #1 Unit 2

Graph the equations.

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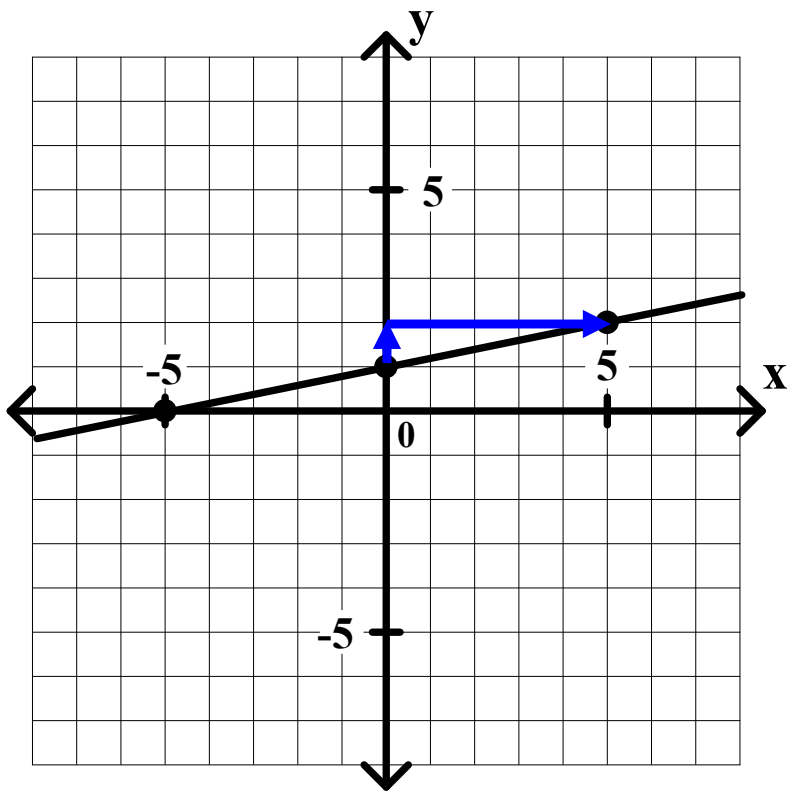
slope y-intercept

6. $x + 4y = -12$



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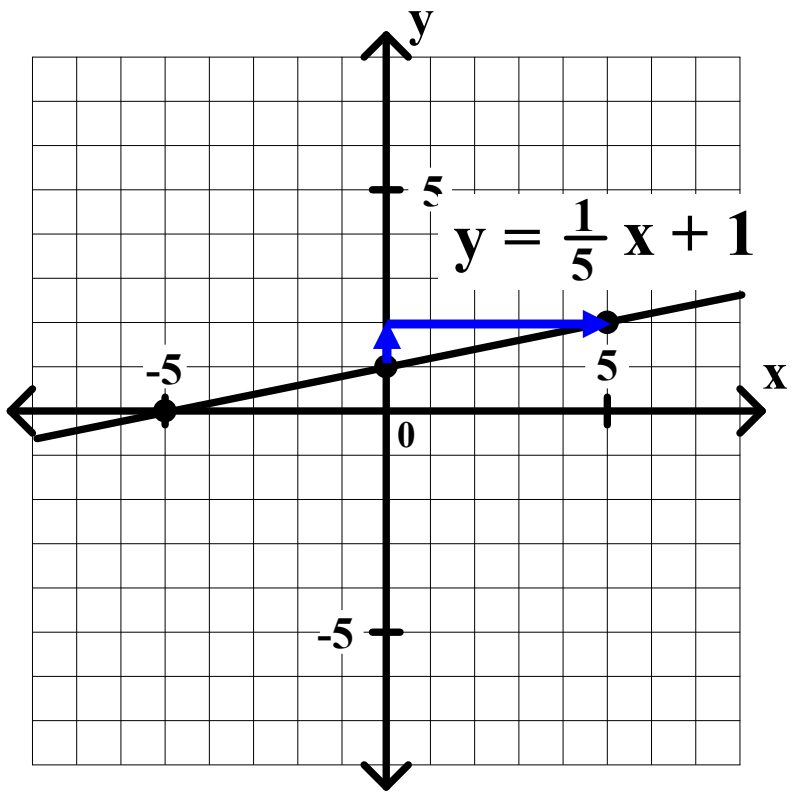

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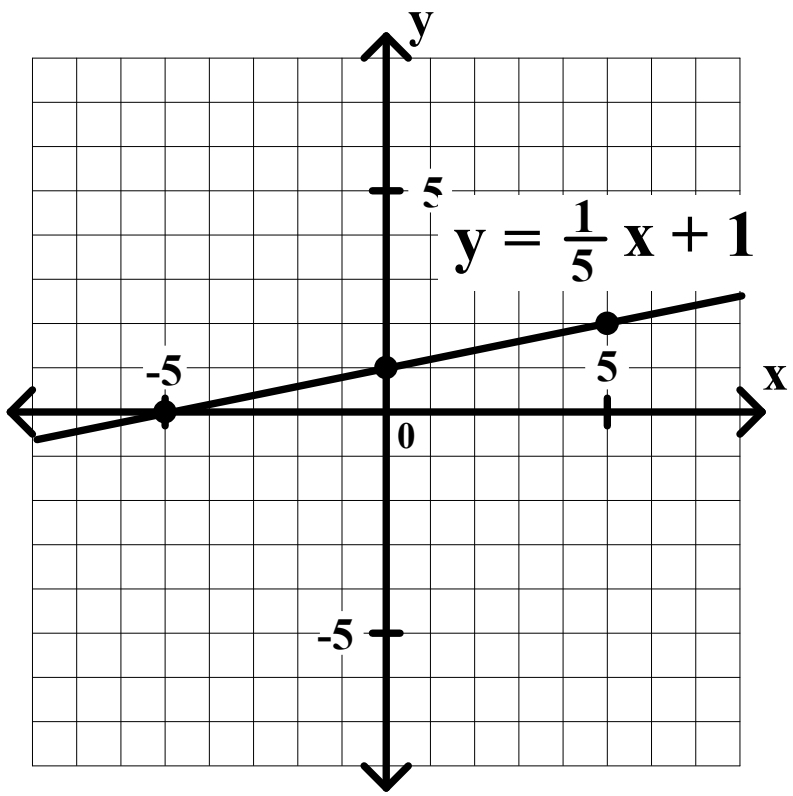

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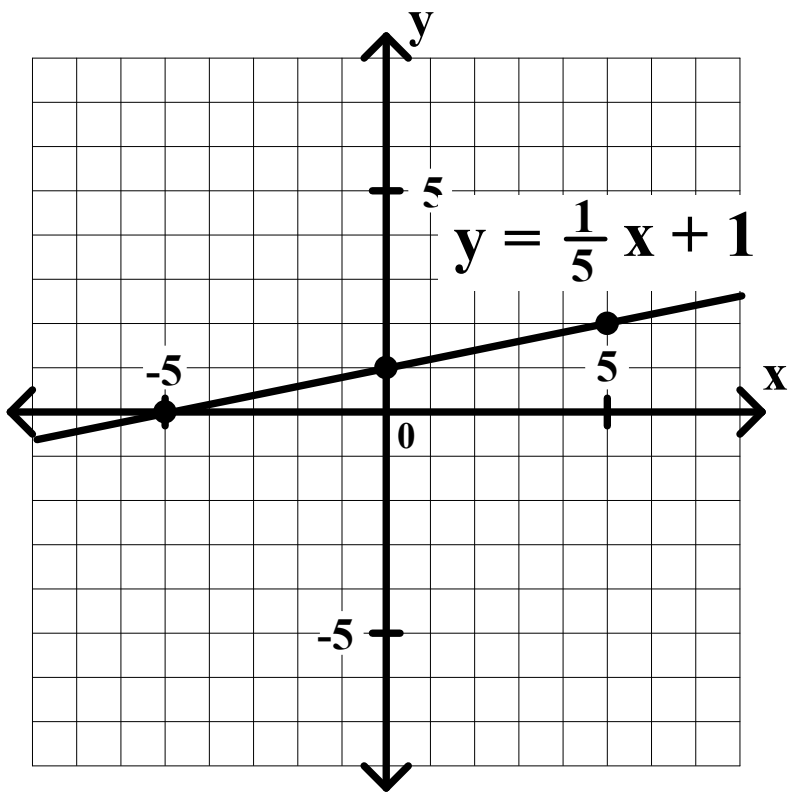

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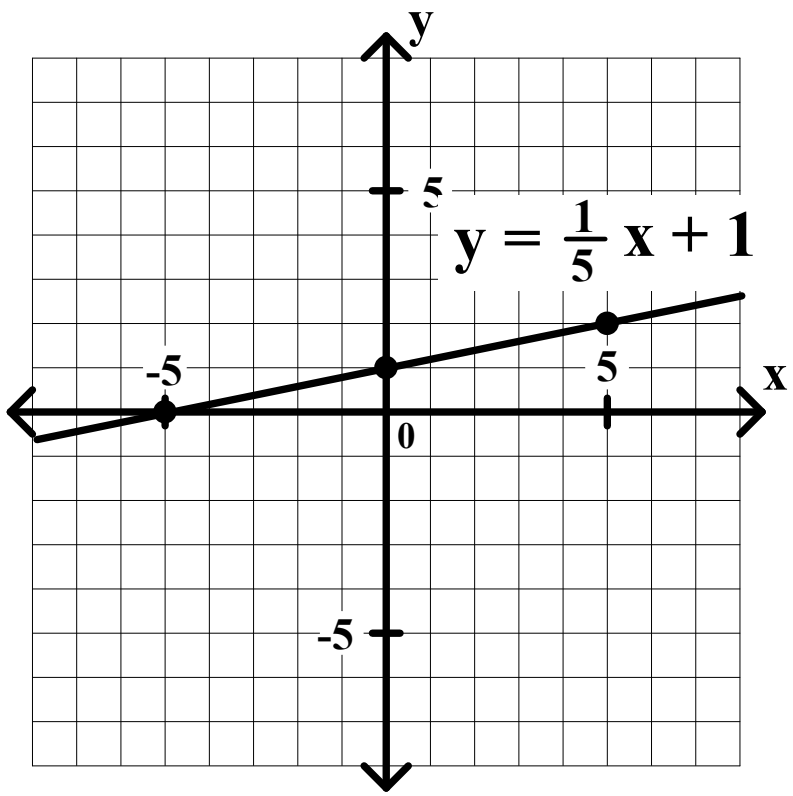

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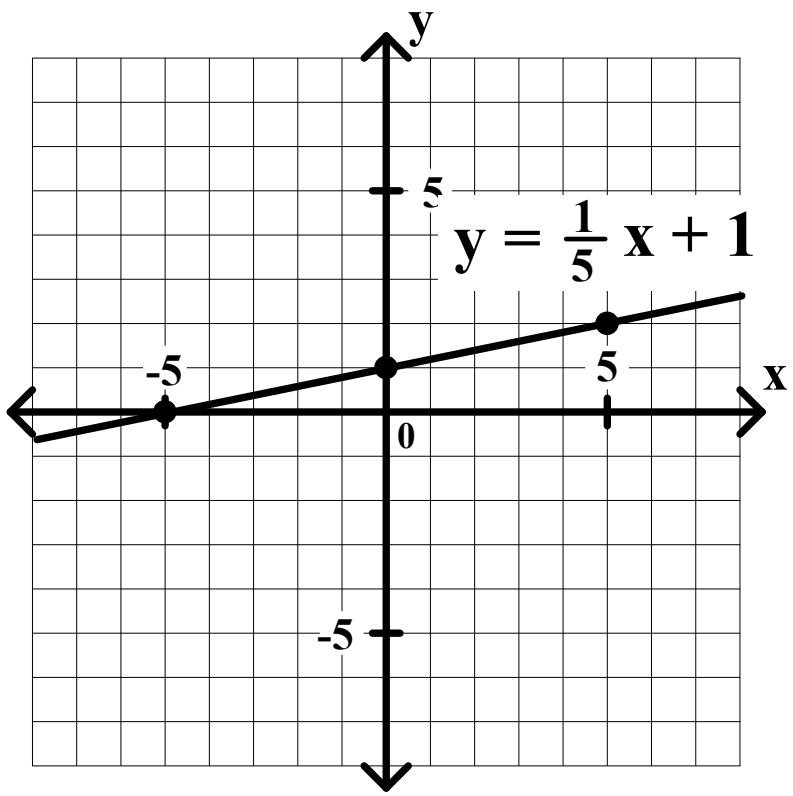

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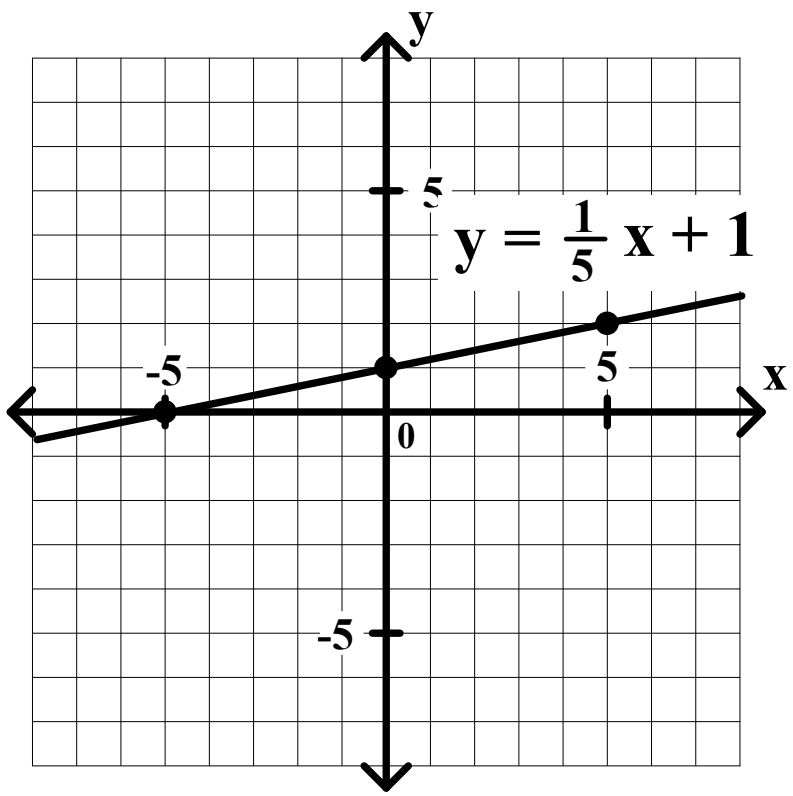

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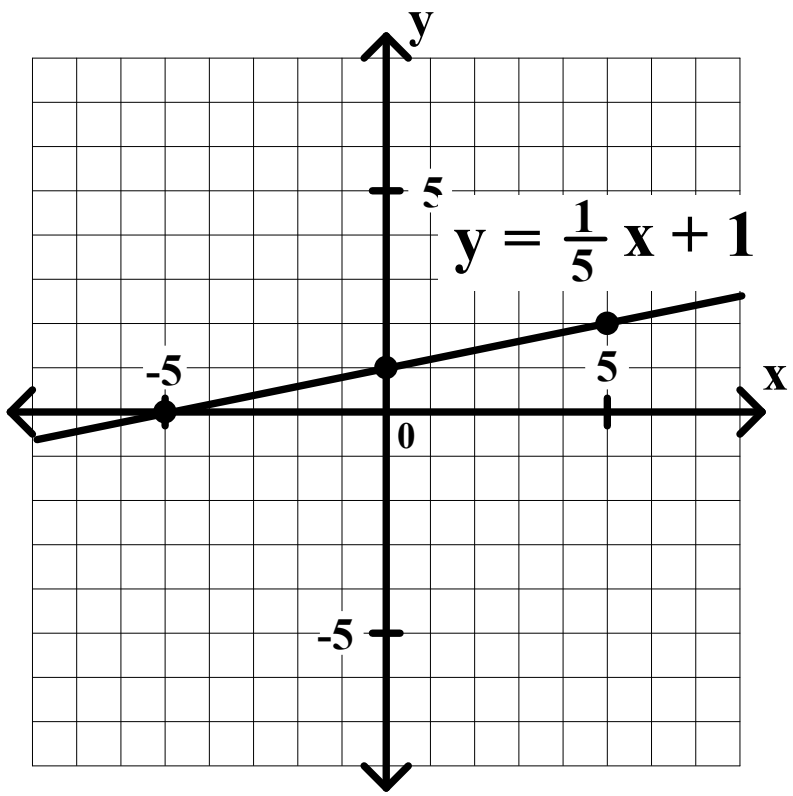

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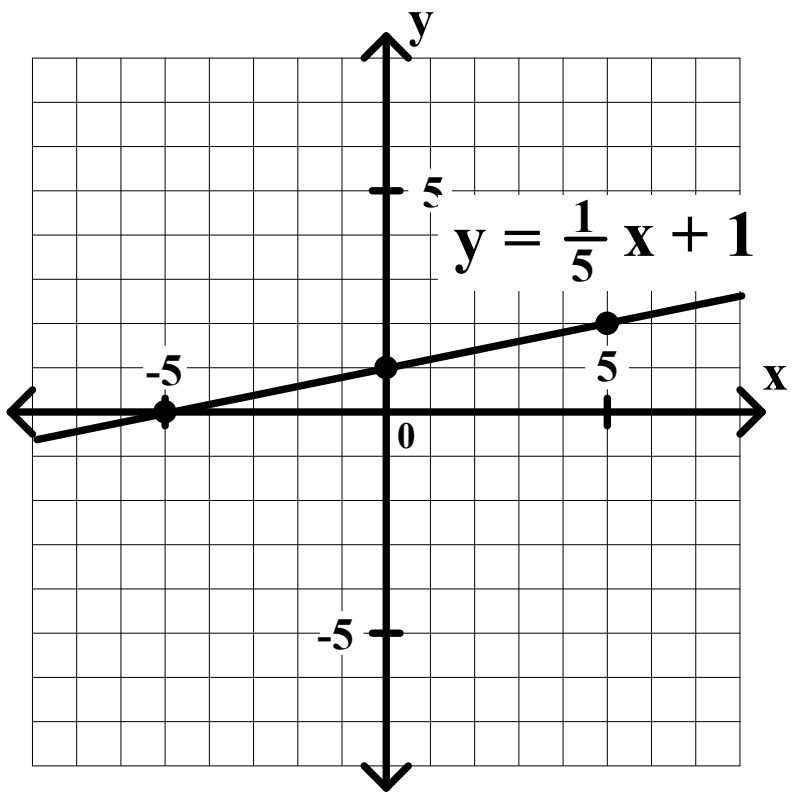

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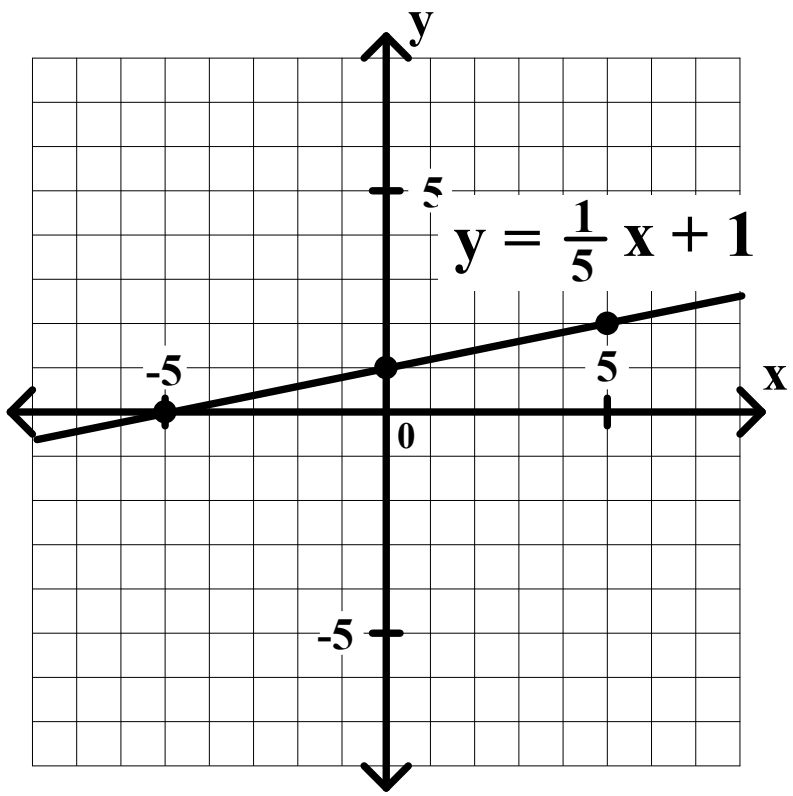

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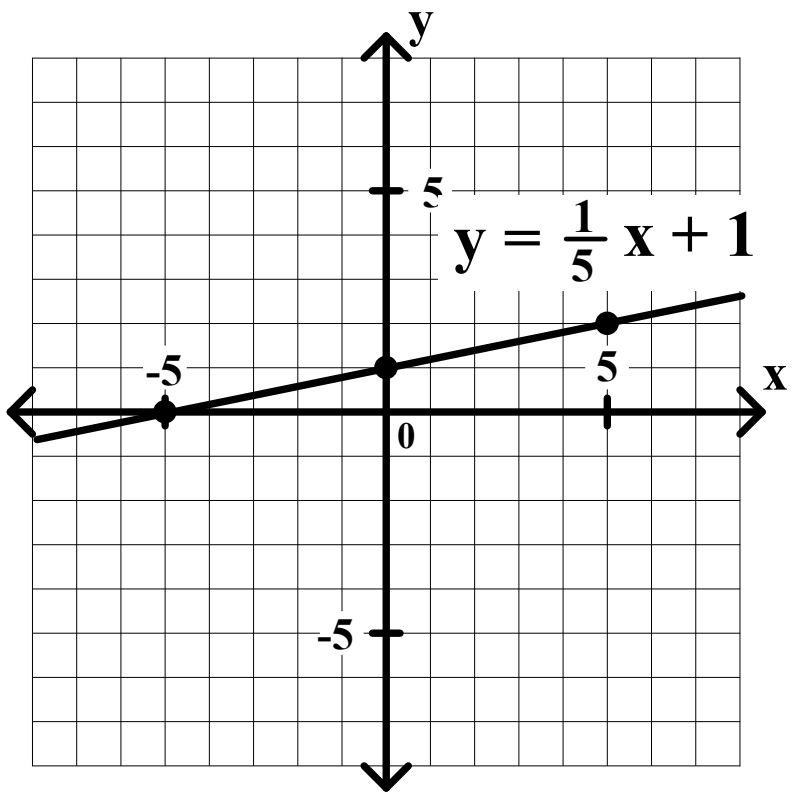

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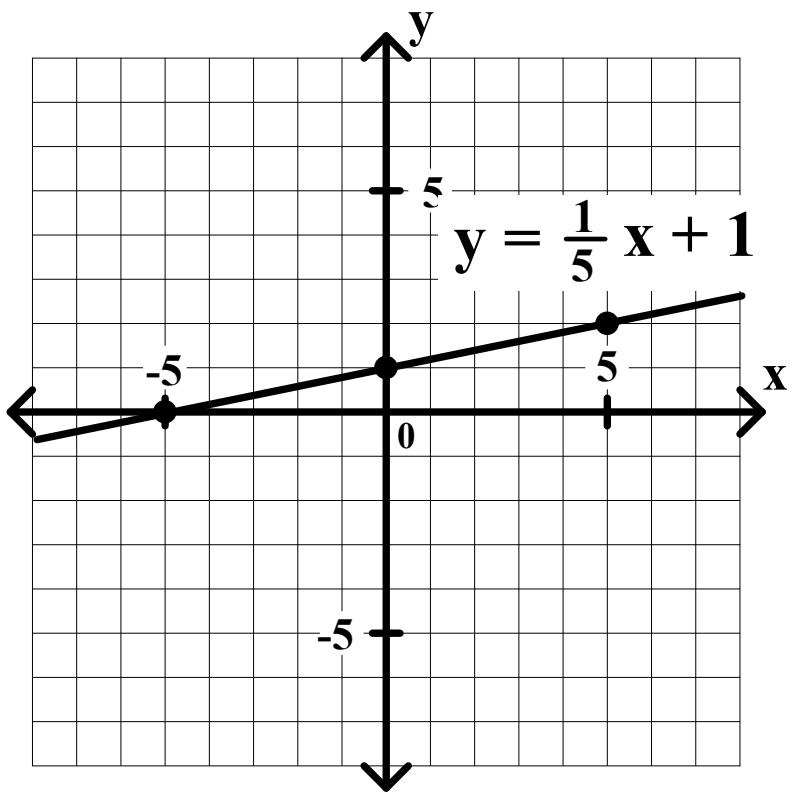

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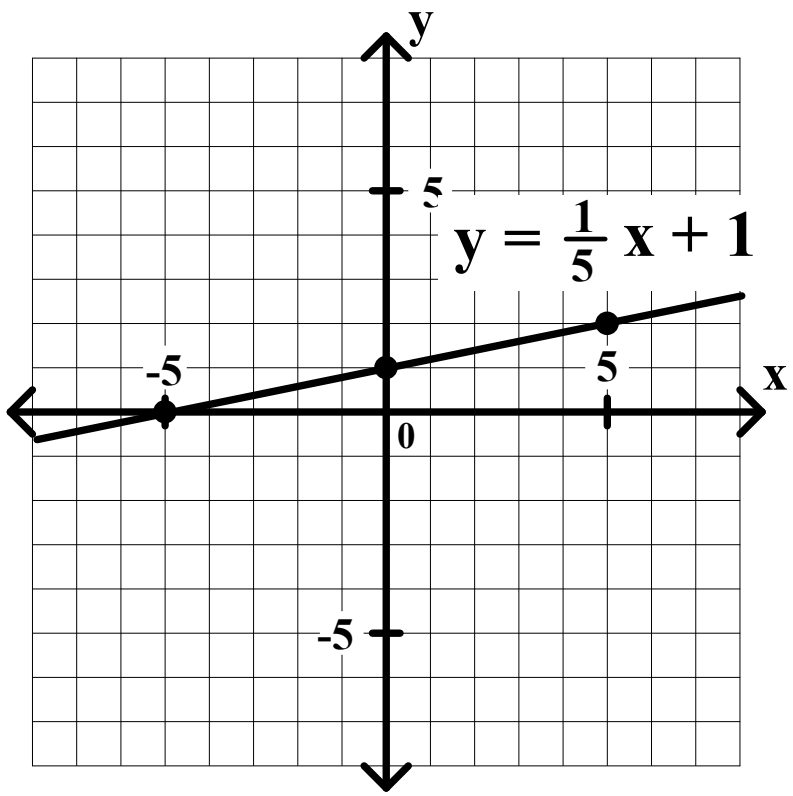

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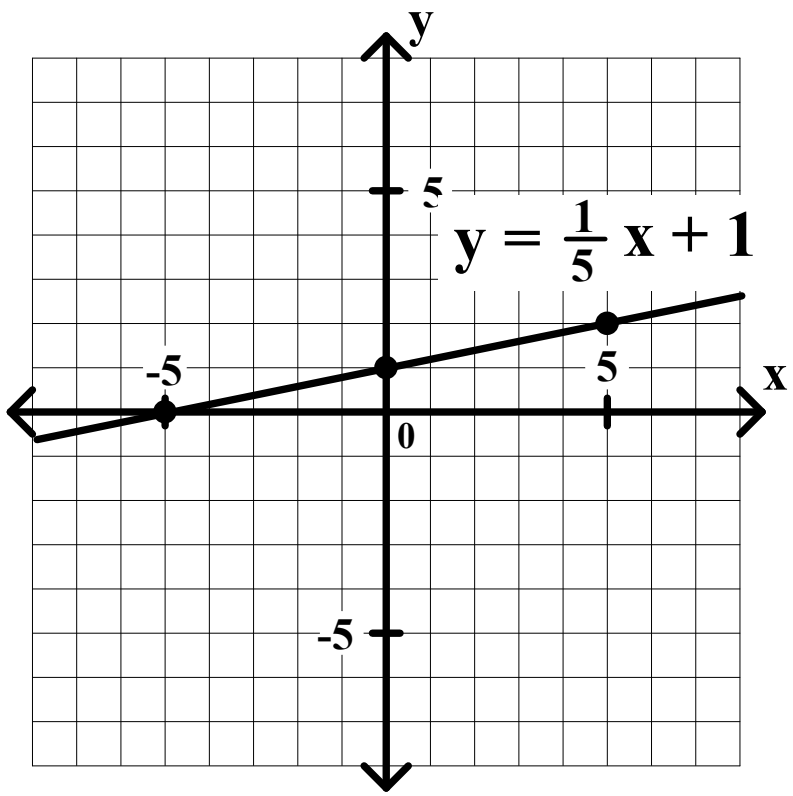

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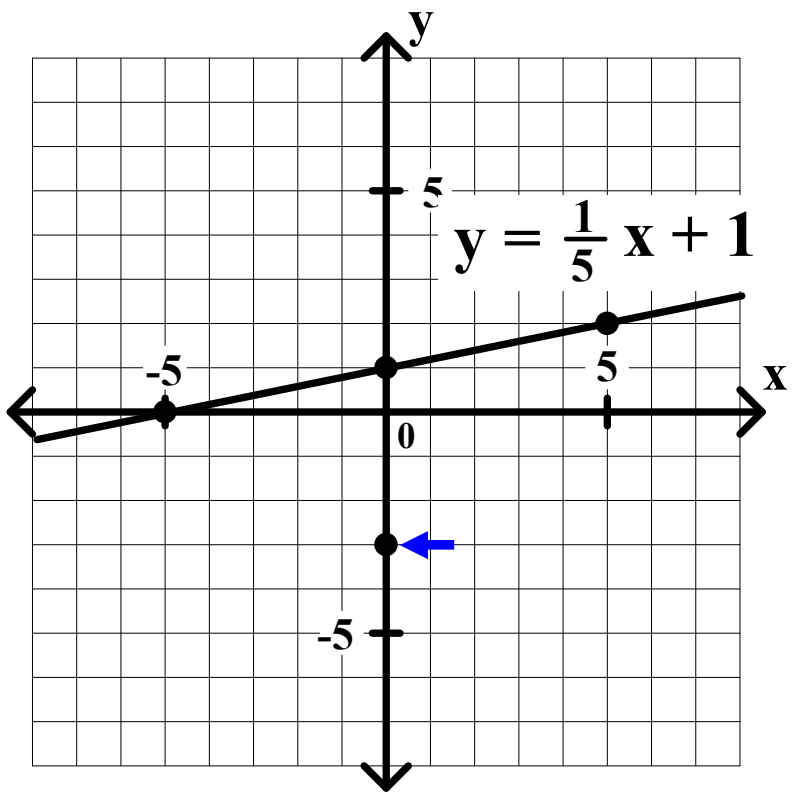

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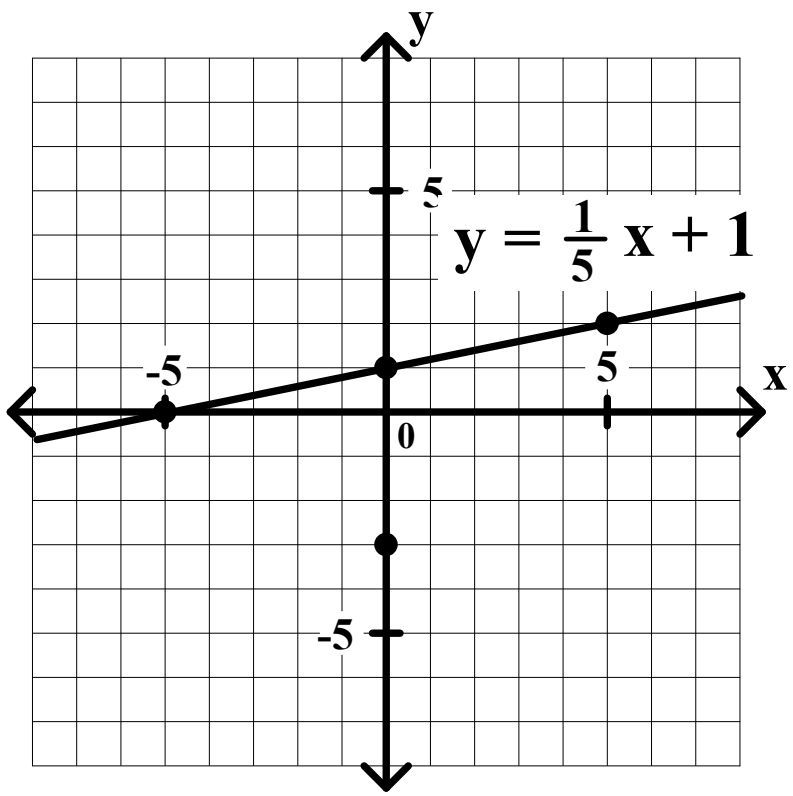

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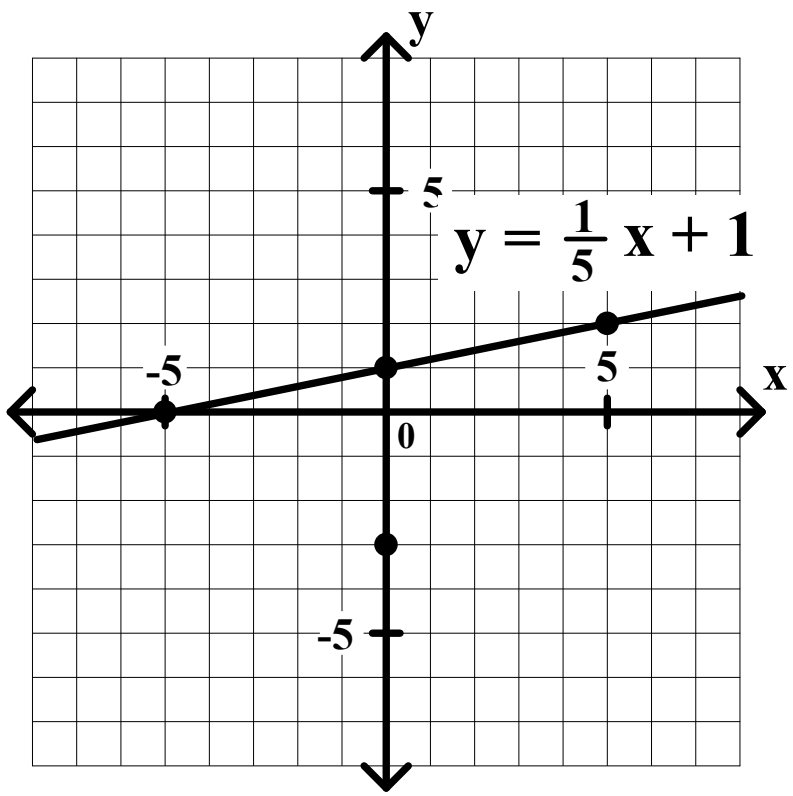

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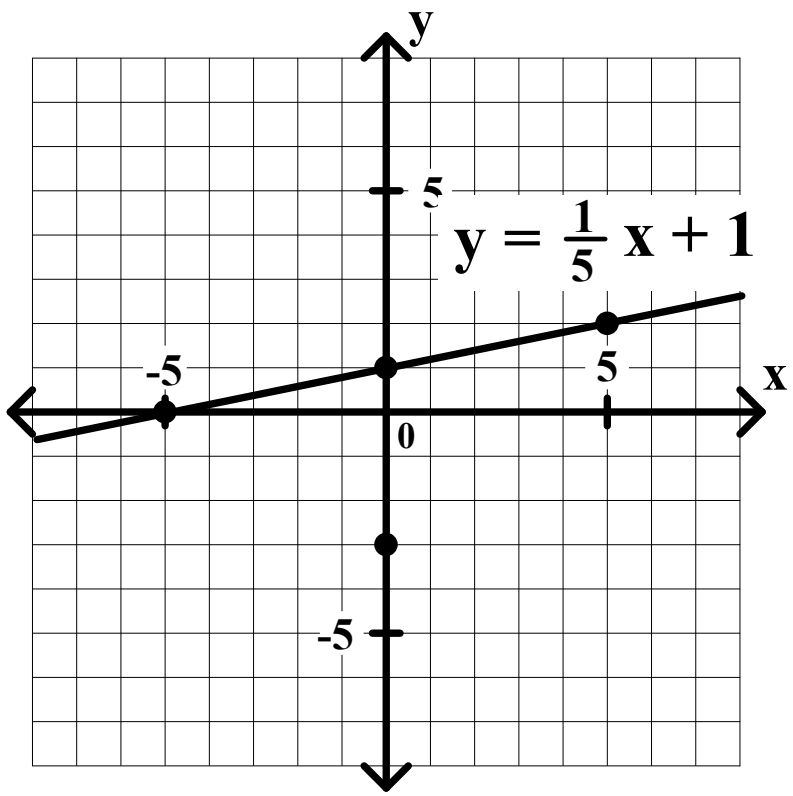

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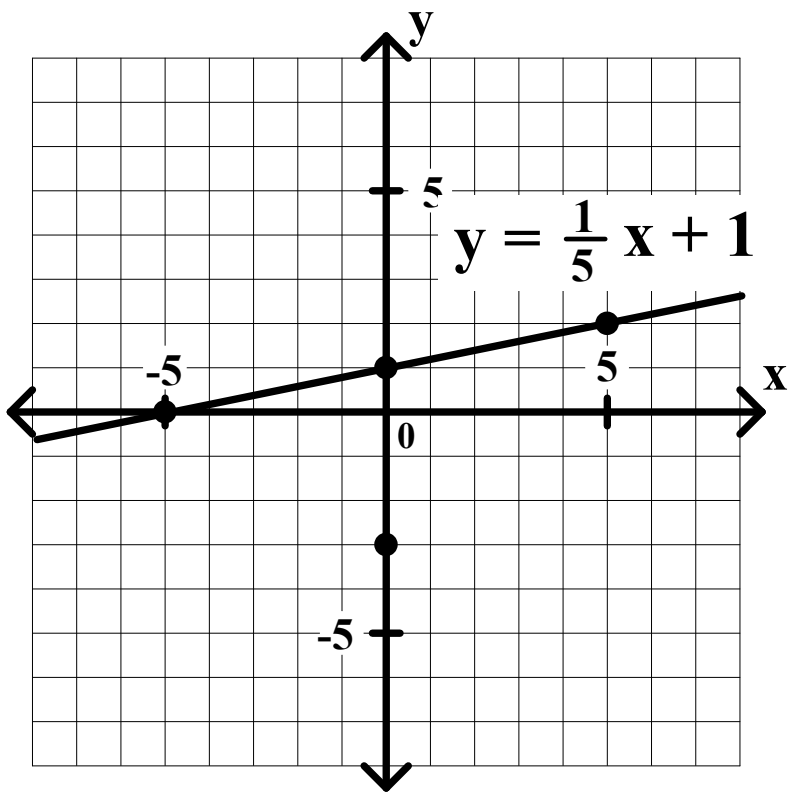

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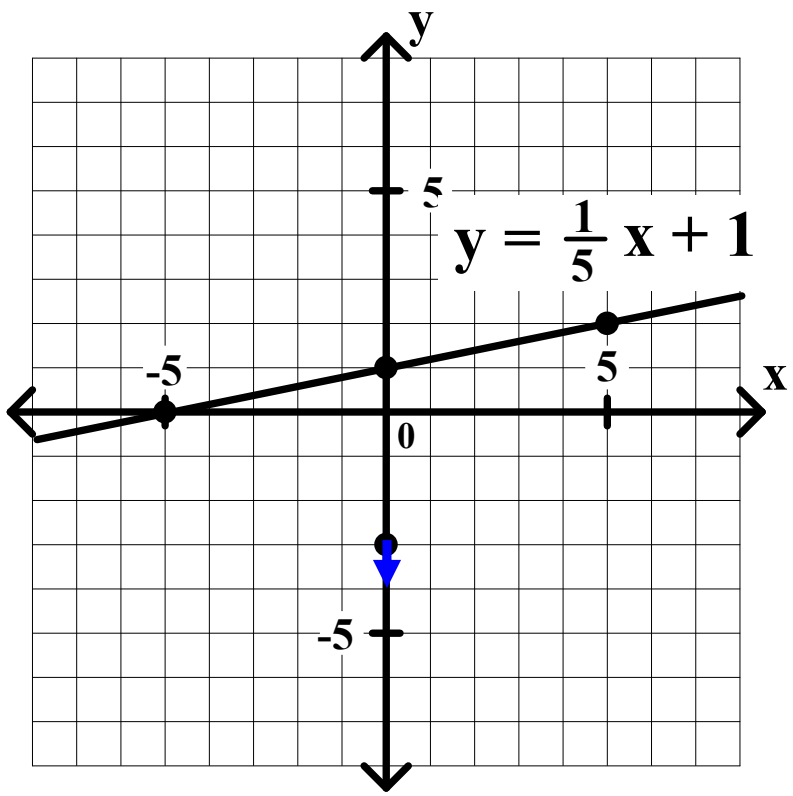

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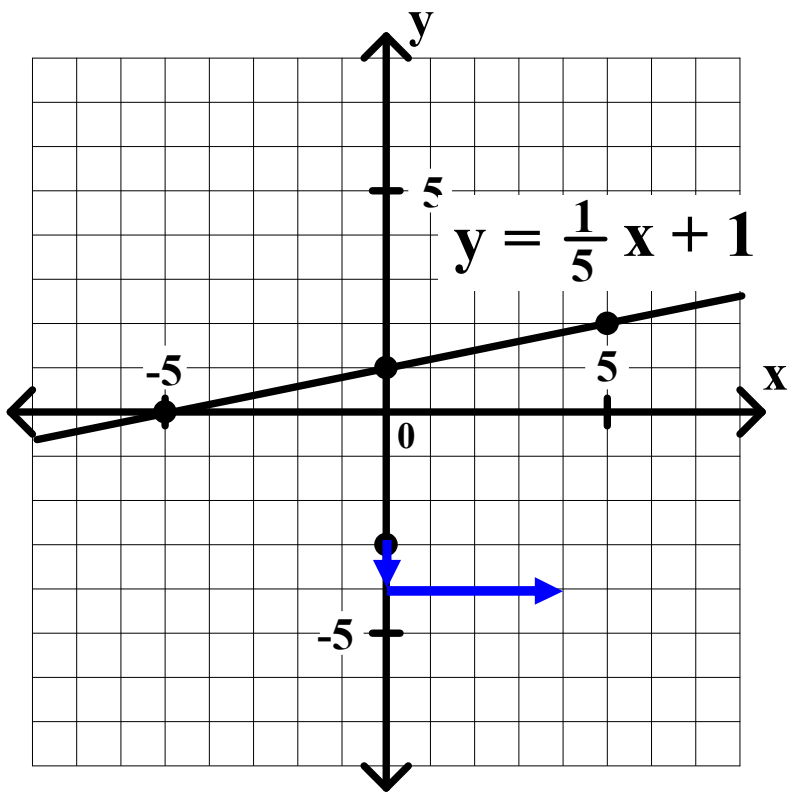

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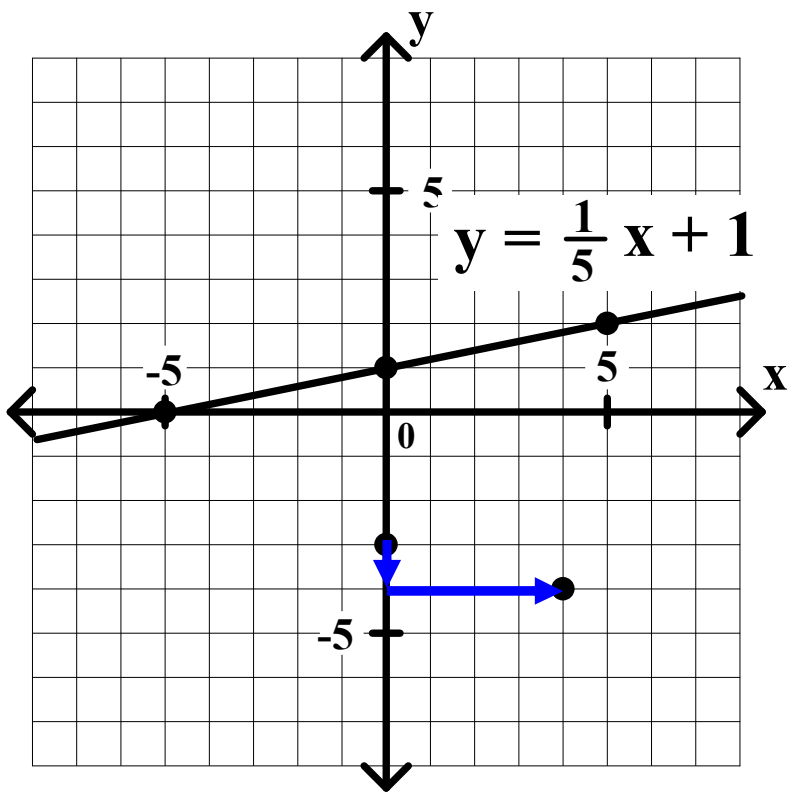

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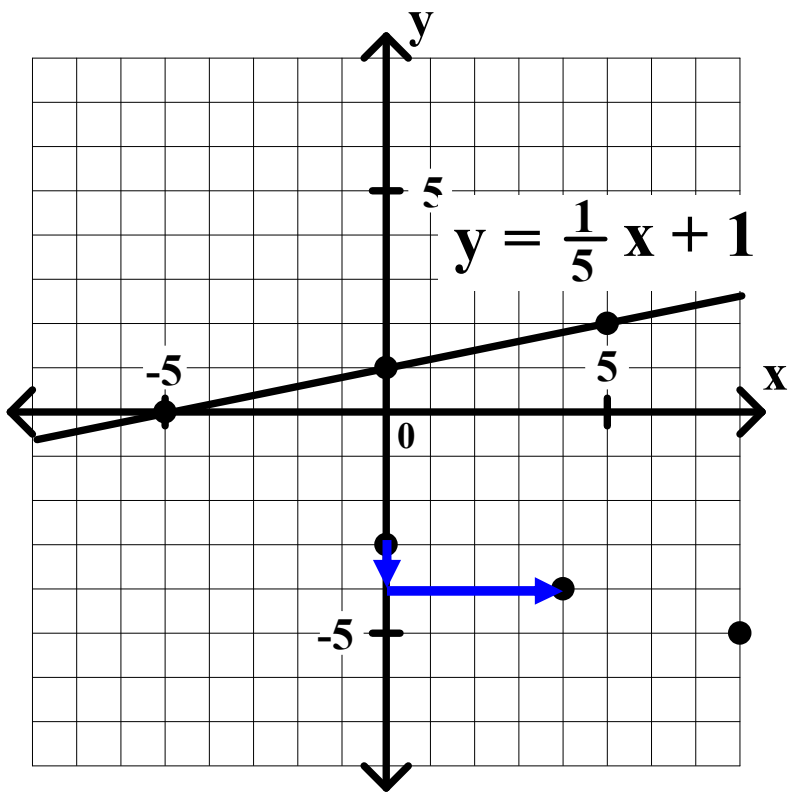

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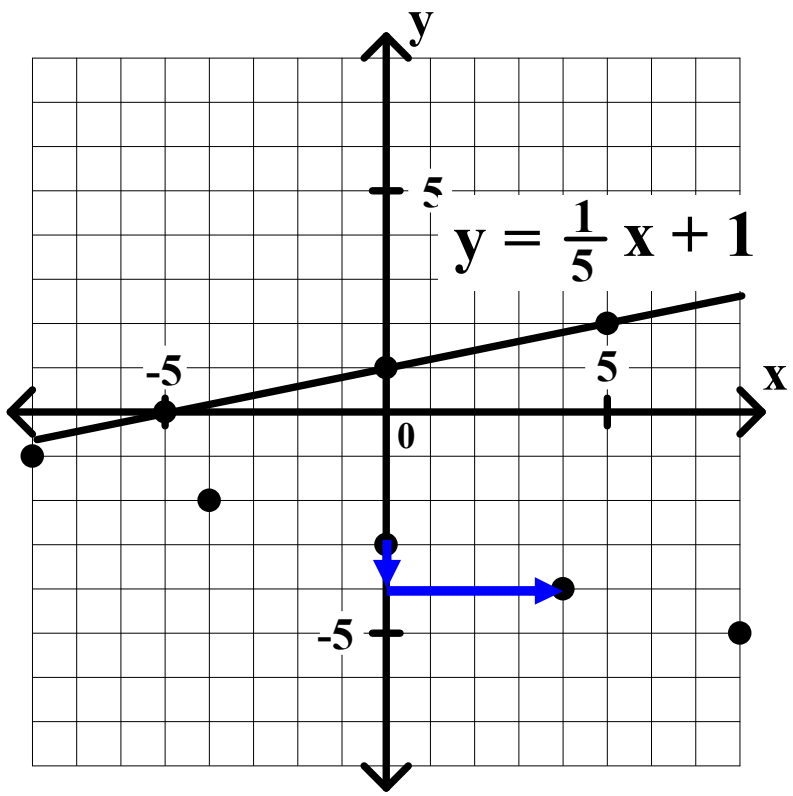

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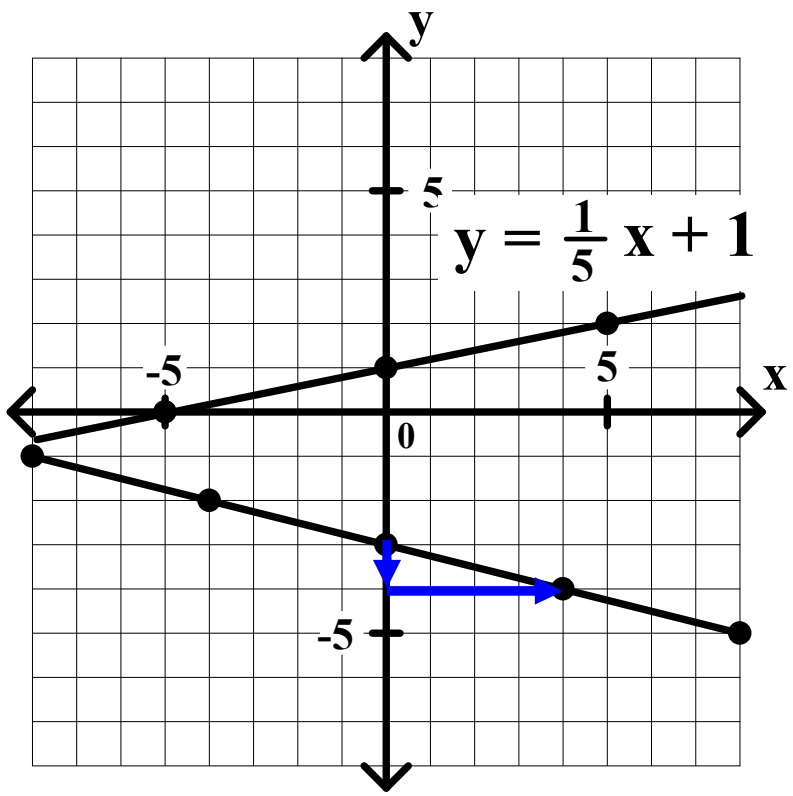

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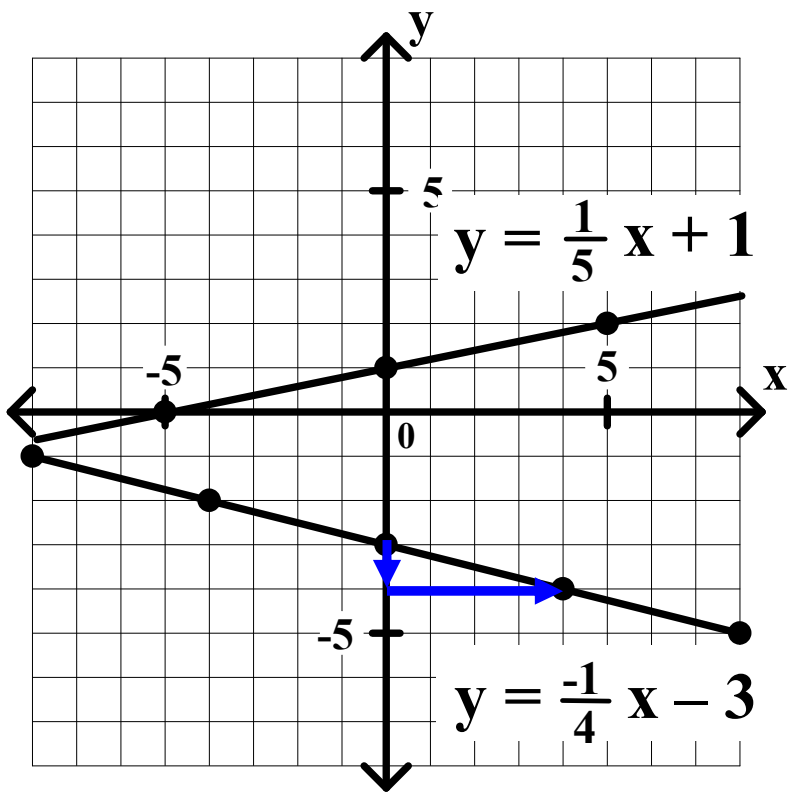

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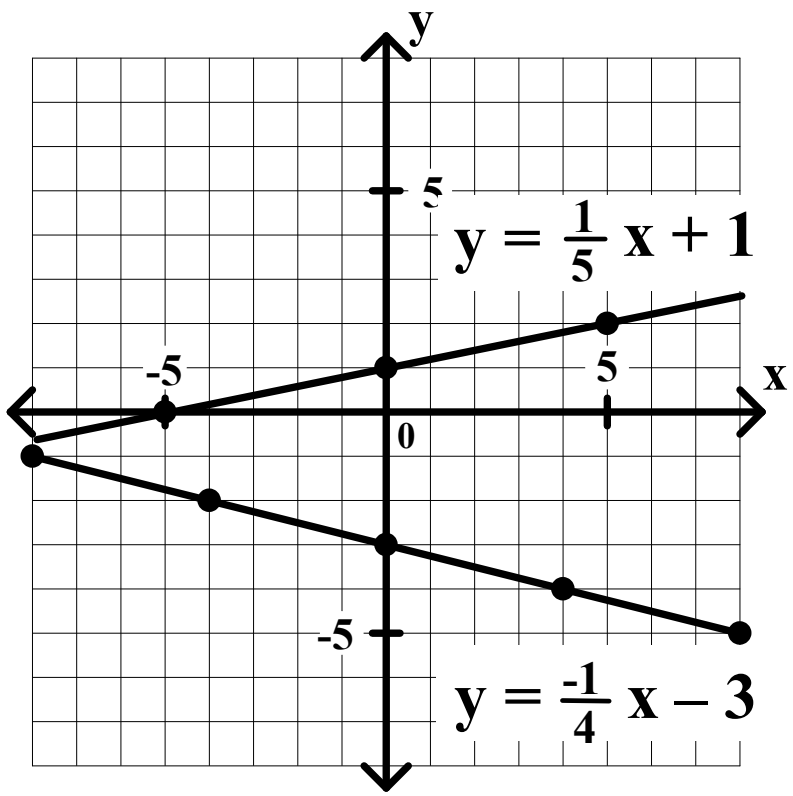

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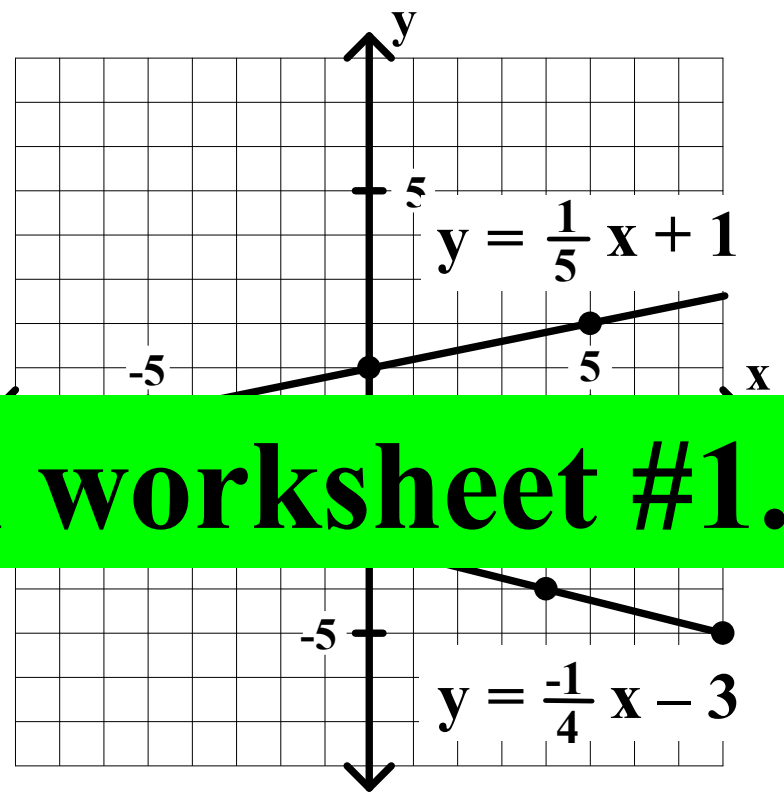

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