General Algebra II

Lesson #2 Unit 2

Notes #2

Class Worksheet #2

For Worksheets #3 & #4

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

1. **The horizontal line through (-3, 4)** _____

2. **The vertical line through (-3, 4)** _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

1. **The horizontal line through (-3, 4)** _____

2. **The vertical line through (-3, 4)** _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

1. **The horizontal line through (-3, 4)** _____

2. **The vertical line through (-3, 4)** _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

1. **The horizontal line through (-3, 4)** _____

   y = k

2. **The vertical line through (-3, 4)** _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

1. **The horizontal line through (-3, 4)** _____

   y = k

2. **The vertical line through (-3, 4)** _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

1. The horizontal line through (-3, 4) y = 4

   y = k

2. The vertical line through (-3, 4) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

1. **The horizontal line through (-3, 4)** **y = 4**

   y = k

2. **The vertical line through (-3, 4)** _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

1. **The horizontal line through (-3, 4)** **y = 4**

   y = k

2. **The vertical line through (-3, 4)** _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

1. **The horizontal line through (-3, 4)** **y = 4**

   y = k

2. **The vertical line through (-3, 4)** _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

1. **The horizontal line through (-3, 4)** **y = 4**

   y = k

2. **The vertical line through (-3, 4)** _____

   x = k

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

1. **The horizontal line through (-3, 4)** **y = 4**

   y = k

2. **The vertical line through (-3, 4)** _____

   x = k

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

1. **The horizontal line through (-3, 4)** **y = 4**

   y = k

2. **The vertical line through (-3, 4)** **x = -3**

   x = k

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

1. **The horizontal line through (-3, 4)** **y = 4**

   y = k

2. **The vertical line through (-3, 4)** **x = -3**

   x = k

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

3. **The line with slope 0 through (5, -4)** _____

4. **The line with "no slope" through (5, -4)** _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

3. The line with slope 0 through (5, -4) _____

4. The line with "no slope" through (5, -4) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

3. The line with slope 0 through (5, -4) _____

4. The line with "no slope" through (5, -4) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

3. The line with slope 0 through (5, -4) _____

horizontal line

4. The line with "no slope" through (5, -4) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

3. The line with slope 0 through (5, -4) _____

horizontal line → y = k

4. The line with "no slope" through (5, -4) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

3. The line with slope 0 through (5, -4) _____

horizontal line → y = k

4. The line with "no slope" through (5, -4) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

3. The line with slope 0 through (5, -4) **y = -4**

horizontal line → y = k

4. The line with "no slope" through (5, -4) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

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horizontal line → y = k

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If the line is oblique, use slope-intercept form.

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horizontal line → y = k

4. The line with "no slope" through (5, -4) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

3. The line with slope 0 through (5, -4) **y = -4**

horizontal line → y = k

4. The line with "no slope" through (5, -4) _____

vertical line

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

3. The line with slope 0 through (5, -4) **y = -4**

horizontal line → y = k

4. The line with "no slope" through (5, -4) _____

vertical line → x = k

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

3. The line with slope 0 through (5, -4) **y = -4**

horizontal line → y = k

4. The line with "no slope" through (5, -4) _____

vertical line → x = k

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

3. The line with slope 0 through (5, -4) **y = -4**

horizontal line → y = k

4. The line with "no slope" through (5, -4) **x = 5**

vertical line → x = k

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

3. **The line with slope 0 through (5, -4)** **y = -4**

   horizontal line → y = k

4. **The line with "no slope" through (5, -4)** **x = 5**

   vertical line → x = k

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

5. **The line with slope -4 and y-intercept 5** _____

6. **The line with slope 3/4 through (0 , -1)** _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

5. **The line with slope -4 and y-intercept 5** _____

6. **The line with slope 3/4 through (0 , -1)** _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

5. **The line with slope -4 and y-intercept 5** _____

6. **The line with slope 3/4 through (0 , -1)** _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

5. The line with slope -4 and y-intercept 5 _____

oblique line

6. The line with slope 3/4 through (0 , -1) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

5. The line with slope -4 and y-intercept 5 _____

oblique line $\longrightarrow$ $y = mx + b$

6. The line with slope 3/4 through (0 , -1) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

5. The line with slope -4 and y-intercept 5 _____

oblique line $\longrightarrow$ $y = mx + b$

$m = -4$

6. The line with slope 3/4 through (0 , -1) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

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General Algebra II CWS #2 Unit 2

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If the line is oblique, use slope-intercept form.

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oblique line $\longrightarrow$ $y = mx + b$

$m = -4$ $b = 5$

6. The line with slope 3/4 through (0 , -1) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

5. The line with slope -4 and y-intercept 5 **y = _____**

oblique line → **y = mx + b**

m = -4 **b = 5**

6. The line with slope 3/4 through (0 , -1) **_____**

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

5. The line with slope -4 and y-intercept 5 **y = -4x**

oblique line → **y = mx + b**

m = -4 **b = 5**

6. The line with slope 3/4 through (0 , -1) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

5. The line with slope -4 and y-intercept 5 $y = -4x + 5$

oblique line $\longrightarrow$ $y = mx + b$

$m = -4$ $b = 5$

6. The line with slope 3/4 through (0 , -1) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

5. **The line with slope -4 and y-intercept 5** $y = -4x + 5$

   oblique line $\longrightarrow$ $y = mx + b$

   $m = -4 \quad b = 5$

6. **The line with slope 3/4 through (0 , -1)** _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

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oblique line $\longrightarrow$ $y = mx + b$

$m = -4 \quad b = 5$

6. The line with slope 3/4 through (0 , -1) _____

General Algebra II CWS #2 Unit 2

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If the line is oblique, use slope-intercept form.

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oblique line $\longrightarrow$ $y = mx + b$

$m = -4 \quad b = 5$

6. The line with slope 3/4 through (0 , -1) _____

oblique line

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

5. The line with slope -4 and y-intercept 5 $y = -4x + 5$

oblique line $\longrightarrow$ $y = mx + b$

$m = -4 \quad b = 5$

6. The line with slope 3/4 through (0 , -1) _____

oblique line $\longrightarrow$ $y = mx + b$

General Algebra II CWS #2 Unit 2

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If the line is oblique, use slope-intercept form.

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oblique line $\longrightarrow$ $y = mx + b$

$m = -4 \quad b = 5$

6. The line with slope 3/4 through (0 , -1) _____

oblique line $\longrightarrow$ $y = mx + b$

$m = 3/4$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

5. The line with slope -4 and y-intercept 5 $y = -4x + 5$

oblique line $\longrightarrow$ $y = mx + b$

$m = -4 \quad b = 5$

6. The line with slope 3/4 through (0 , -1) _____

oblique line $\longrightarrow$ $y = mx + b$

$m = 3/4$

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

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

5. The line with slope -4 and y-intercept 5 $y = -4x + 5$

oblique line $\longrightarrow$ $y = mx + b$

$m = -4 \quad b = 5$

6. The line with slope 3/4 through (0 , -1) _____

oblique line $\longrightarrow$ $y = mx + b$

$m = 3/4$

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

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

5. The line with slope -4 and y-intercept 5 $y = -4x + 5$

oblique line $\longrightarrow$ $y = mx + b$

$m = -4 \quad b = 5$

6. The line with slope 3/4 through (0 , -1) _____

oblique line $\longrightarrow$ $y = mx + b$

$m = 3/4 \quad b = -1$

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

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

5. The line with slope -4 and y-intercept 5 $y = -4x + 5$

oblique line $\longrightarrow$ $y = mx + b$

$m = -4 \quad b = 5$

6. The line with slope 3/4 through (0 , -1) $y =$ _____

oblique line $\longrightarrow$ $y = mx + b$

$m = 3/4 \quad b = -1$

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

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

5. The line with slope -4 and y-intercept 5 $y = -4x + 5$

oblique line $\longrightarrow$ $y = mx + b$

$m = -4 \quad b = 5$

6. The line with slope 3/4 through (0 , -1) $y = \frac{3}{4}x$

oblique line $\longrightarrow$ $y = mx + b$

$m = 3/4 \quad b = -1$

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

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

5. The line with slope -4 and y-intercept 5 $y = -4x + 5$

oblique line $\longrightarrow$ $y = mx + b$

$m = -4 \quad b = 5$

6. The line with slope 3/4 through (0 , -1) $y = \frac{3}{4}x - 1$

oblique line $\longrightarrow$ $y = mx + b$

$m = 3/4 \quad b = -1$

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

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

5. **The line with slope -4 and y-intercept 5** $y = -4x + 5$

oblique line $\longrightarrow$ $y = mx + b$

$m = -4 \quad b = 5$

6. **The line with slope 3/4 through (0 , -1)** $y = \frac{3}{4}x - 1$

oblique line $\longrightarrow$ $y = mx + b$

$m = 3/4 \quad b = -1$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

7. The line through (-5, 4) and (0, 2) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

7. The line through (-5, 4) and (0, 2) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

7. The line through (-5, 4) and (0, 2) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

7. The line through (-5, 4) and (0, 2) _____

The line is not vertical.

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

7. The line through (-5, 4) and (0, 2) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

7. The line through (-5, 4) and (0, 2) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

7. The line through (-5, 4) and (0, 2) _____

The line is not horizontal.

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

7. The line through (-5, 4) and (0, 2) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

7. The line through (-5, 4) and (0, 2) _____

oblique line

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

7. The line through (-5, 4) and (0, 2) _____

oblique line $\longrightarrow$ $y = mx + b$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

7. The line through (-5, 4) and (0, 2) _____

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

7. The line through (-5, 4) and (0, 2) _____

x_1 y_1 x_2 y_2

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

7. The line through (-5, 4) and (0, 2) _____

x_1 y_1 x_2 y_2

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} =$$

General Algebra II CWS #2 Unit 2

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If the line is oblique, use slope-intercept form.

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x_1 y_1 x_2 y_2

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\quad 2 \quad}$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

7. The line through (-5, 4) and (0, 2) _____

x_1 y_1 x_2 y_2

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{2 - 4}{}$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

7. The line through (-5, 4) and (0, 2) _____

x_1 y_1 x_2 y_2

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{2 - 4}{0 -}$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

7. The line through (-5, 4) and (0, 2) _____

x_1 y_1 x_2 y_2

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{2 - 4}{0 - -5}$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

7. The line through (-5, 4) and (0, 2) _____

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{2 - 4}{0 - -5}$$

$$m = -2/5$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

7. The line through (-5, 4) and (0, 2) _____

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{2 - 4}{0 - -5}$$

$m = -2/5$

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

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

7. The line through (-5, 4) and (0, 2) _____

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{2 - 4}{0 - -5}$$

$m = -2/5$

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

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

7. The line through (-5, 4) and (0, 2) _____

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{2 - 4}{0 - -5}$$

$m = -2/5$ $b = 2$

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

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

7. The line through (-5, 4) and (0, 2) **y = _____**

oblique line ⟶ y = mx + b

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{2 - 4}{0 - -5}$$

m = -2/5 **b = 2**

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

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

7. The line through (-5, 4) and (0, 2) $y = \frac{-2}{5}x$

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{2 - 4}{0 - -5}$$

$m = -2/5$ $b = 2$

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

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

7. The line through (-5, 4) and (0, 2) $y = \frac{-2}{5}x + 2$

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{2 - 4}{0 - -5}$$

$m = -2/5$ $b = 2$

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

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

7. The line through (-5, 4) and (0, 2) $y = \frac{-2}{5}x + 2$

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{2 - 4}{0 - -5}$$

$m = -2/5$ $b = 2$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

8. The line with slope -3/4 through (-8, 1) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

8. The line with slope -3/4 through (-8, 1) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

8. The line with slope -3/4 through (-8, 1) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

8. The line with slope -3/4 through (-8, 1) _____

oblique line

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

8. The line with slope -3/4 through (-8, 1) _____

oblique line $\longrightarrow$ $y = mx + b$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

8. The line with slope -3/4 through (-8, 1) _____

oblique line $\longrightarrow$ $y = mx + b$ $m = -3/4$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

8. The line with slope -3/4 through (-8, 1) _____

oblique line $\longrightarrow$ $y = mx + b$ $m = -3/4$ $b = ?$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

8. The line with slope -3/4 through (-8, 1) _____

oblique line $\longrightarrow$ **$y = mx + b$** **$m = -3/4$** **$b = ?$**

We are not given the y-intercept.

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

8. The line with slope -3/4 through (-8, 1) _____

oblique line $\longrightarrow$ $y = mx + b$ $m = -3/4$ $b = ?$

We are not given the y-intercept.

We will use the point-slope equation.

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

8. The line with slope -3/4 through (-8, 1) _____

oblique line $\longrightarrow$ $y = mx + b$ **m = -3/4** **b = ?**

We are not given the y-intercept.

We will use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
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8. The line with slope -3/4 through (-8, 1) _____

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General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

x_1 y_1

8. The line with slope -3/4 through (-8, 1) _____

oblique line $\longrightarrow$ $y = mx + b$ **m = -3/4** **b = ?**

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General Algebra II CWS #2 Unit 2

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If the line is oblique, use slope-intercept form.

x_1 y_1

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oblique line $\longrightarrow$ $y = mx + b$ **m = -3/4** **b = ?**

We are not given the y-intercept.

We will use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - 1$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

x_1 y_1

8. The line with slope -3/4 through (-8, 1) _____

oblique line $\longrightarrow$ $y = mx + b$ **m = -3/4** **b = ?**

We are not given the y-intercept.

We will use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - 1 =$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

x_1 y_1

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oblique line $\longrightarrow$ $y = mx + b$ **m = -3/4** **b = ?**

We are not given the y-intercept.

We will use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - 1 = \frac{-3}{4}($$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

x_1 y_1

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oblique line $\longrightarrow$ $y = mx + b$ **m = -3/4** **b = ?**

We are not given the y-intercept.

We will use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - 1 = \frac{-3}{4}(x -$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

x_1 y_1

8. The line with slope -3/4 through (-8, 1) _____

oblique line $\longrightarrow$ $y = mx + b$ **m = -3/4** **b = ?**

We are not given the y-intercept.

We will use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - 1 = \frac{-3}{4}(x - -8)$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

x_1 y_1

8. The line with slope -3/4 through (-8, 1) _____

oblique line $\longrightarrow$ $y = mx + b$ **m = -3/4** **b = ?**

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We will use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - 1 = \frac{-3}{4}(x - -8)$$

$$y - 1 = \frac{-3}{4}(x + 8)$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

x_1 y_1

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$$y - 1 = \frac{-3}{4}(x - -8)$$

$$y - 1 = \frac{-3}{4}(x + 8)$$

$$y - 1 =$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

x_1 y_1

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$$y - y_1 = m(x - x_1)$$

$$y - 1 = \frac{-3}{4}(x - -8)$$

$$y - 1 = \frac{-3}{4}(x + 8)$$

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

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

x_1 y_1

8. The line with slope -3/4 through (-8, 1) _____

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We will use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - 1 = \frac{-3}{4}(x - -8)$$

$$y - 1 = \frac{-3}{4}(x + 8)$$

$$y - 1 = \frac{-3}{4}x - 6$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

x_1 y_1

8. The line with slope -3/4 through (-8, 1) _____

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$$y - y_1 = m(x - x_1)$$

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$$y - 1 = \frac{-3}{4}(x + 8)$$

$$y - 1 = \frac{-3}{4}x - 6$$

$$y =$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

x_1 y_1

8. The line with slope -3/4 through (-8, 1) _____

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$$y - 1 = \frac{-3}{4}(x + 8)$$

$$y - 1 = \frac{-3}{4}x - 6$$

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

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

x_1 y_1

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$$y - 1 = \frac{-3}{4}(x + 8)$$

$$y - 1 = \frac{-3}{4}x - 6$$

$$y = \frac{-3}{4}x - 5$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

8. The line with slope -3/4 through (-8, 1) x_1 y_1 $y = \frac{-3}{4}x - 5$

oblique line $\longrightarrow$ $y = mx + b$ $m = -3/4$ $b = ?$

We are not given the y-intercept.

We will use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - 1 = \frac{-3}{4}(x - -8)$$

$$y - 1 = \frac{-3}{4}(x + 8)$$

$$y - 1 = \frac{-3}{4}x - 6$$

$$y = \frac{-3}{4}x - 5$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

8. The line with slope -3/4 through (-8, 1) $y = \frac{-3}{4}x - 5$

oblique line $\longrightarrow$ $y = mx + b$ $m = -3/4$ $b = ?$

We are not given the y-intercept.

We will use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - 1 = \frac{-3}{4}(x - -8)$$

$$y - 1 = \frac{-3}{4}(x + 8)$$

$$y - 1 = \frac{-3}{4}x - 6$$

$$y = \frac{-3}{4}x - 5$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

9. The line with slope 2/3 through (4, -3) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

9. The line with slope 2/3 through (4, -3) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

9. The line with slope 2/3 through (4, -3) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

9. The line with slope 2/3 through (4, -3) _____

oblique line

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

9. The line with slope 2/3 through (4, -3) _____

oblique line $\longrightarrow$ $y = mx + b$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

9. The line with slope 2/3 through (4, -3) _____

oblique line $\longrightarrow$ $y = mx + b$ $m = 2/3$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

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oblique line $\longrightarrow$ $y = mx + b$ $m = 2/3$ $b = ?$

General Algebra II CWS #2 Unit 2

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If the line is oblique, use slope-intercept form.

9. The line with slope 2/3 through (4, -3) _____

oblique line $\longrightarrow$ $y = mx + b$ $m = 2/3$ $b = ?$

Use the point-slope equation.

General Algebra II CWS #2 Unit 2

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If the line is oblique, use slope-intercept form.

9. The line with slope 2/3 through (4, -3) _____

oblique line $\longrightarrow$ $y = mx + b$ $m = 2/3$ $b = ?$

Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

x_1 y_1

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Use the point-slope equation.

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General Algebra II CWS #2 Unit 2

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x_1 y_1

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oblique line $\longrightarrow$ $y = mx + b$ $m = 2/3$ $b = ?$

Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - -3 =$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

x_1 y_1

9. The line with slope 2/3 through (4, -3) _____

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Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - -3 = \frac{2}{3}$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

x_1 y_1

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oblique line $\longrightarrow$ $y = mx + b$ $m = 2/3$ $b = ?$

Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

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

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

x_1 y_1

9. The line with slope 2/3 through (4, -3) _____

oblique line $\longrightarrow$ $y = mx + b$ $m = 2/3$ $b = ?$

Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

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

$$y + 3 =$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

x_1 y_1

9. The line with slope 2/3 through (4, -3) _____

oblique line $\longrightarrow$ $y = mx + b$ $m = 2/3$ $b = ?$

Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

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

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

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

x_1 y_1

9. The line with slope 2/3 through (4, -3) _____

oblique line $\longrightarrow$ $y = mx + b$ $m = 2/3$ $b = ?$

Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

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

$$y + 3 = \frac{2}{3}x - \frac{8}{3}$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

x_1 y_1

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Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

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

$$y + 3 = \frac{2}{3}x - \frac{8}{3}$$

$$y =$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

x_1 y_1

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Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

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

$$y + 3 = \frac{2}{3}x - \frac{8}{3}$$

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

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

x_1 y_1

9. The line with slope 2/3 through (4, -3) _____

oblique line $\longrightarrow$ $y = mx + b$ $m = 2/3$ $b = ?$

Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

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

$$y + 3 = \frac{2}{3}x - \frac{8}{3}$$

$$y = \frac{2}{3}x - \frac{17}{3}$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

9. The line with slope 2/3 through (4, -3) x_1 y_1 $\underline{y = \frac{2}{3}x - \frac{17}{3}}$

oblique line $\longrightarrow$ $y = mx + b$ $m = 2/3$ $b = ?$

Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

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

$$y + 3 = \frac{2}{3}x - \frac{8}{3}$$

$$y = \frac{2}{3}x - \frac{17}{3}$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

9. The line with slope 2/3 through (4, -3) $y = \frac{2}{3}x - \frac{17}{3}$

oblique line $\longrightarrow$ $y = mx + b$ $m = 2/3$ $b = ?$

Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

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

$$y + 3 = \frac{2}{3}x - \frac{8}{3}$$

$$y = \frac{2}{3}x - \frac{17}{3}$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

10. The line through (2, -3) and (2, 0) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

10. The line through (2, -3) and (2, 0) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

10. The line through (2, -3) and (2, 0) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

10. The line through (2, -3) and (2, 0) _____

vertical line

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

10. The line through (2, -3) and (2, 0) _____

vertical line → x = k

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

10. The line through (2, -3) and (2, 0) **x = 2**

vertical line → x = k

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

10. The line through (2, -3) and (2, 0) $x = 2$

vertical line $\longrightarrow$ $x = k$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

The line is not vertical.

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

The line is not horizontal.

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

oblique line

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

oblique line $\longrightarrow$ $y = mx + b$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

x_1 y_1 x_2 y_2

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} =$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

x_1 y_1 x_2 y_2

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\quad -3 \quad}$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

x_1 y_1 x_2 y_2

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-3 - 0}{}$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

x_1 y_1 x_2 y_2

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-3 - 0}{-4}$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

x_1 y_1 x_2 y_2

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-3 - 0}{-4 - 2}$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-3 - 0}{-4 - 2}$$

$m = 1/2$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-3 - 0}{-4 - 2}$$

m = 1/2

b = ?

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-3 - 0}{-4 - 2}$$

$m = 1/2$

$b = ?$

Use the point-slope equation.

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-3 - 0}{-4 - 2}$$

$m = 1/2$

$b = ?$

Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

x_1 y_1

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-3 - 0}{-4 - 2}$$

$m = 1/2$

$b = ?$

Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

x_1 y_1

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-3 - 0}{-4 - 2}$$

$m = 1/2$

$b = ?$

Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - 0 =$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

x_1 y_1

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-3 - 0}{-4 - 2}$$

$m = 1/2$

$b = ?$

Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - 0 = \frac{1}{2}($$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

x_1 y_1

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-3 - 0}{-4 - 2}$$

$m = 1/2$

$b = ?$

Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - 0 = \frac{1}{2}(x - 2)$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

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x_1 y_1

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$m = 1/2$

$b = ?$

Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - 0 = \frac{1}{2}(x - 2)$$

$$y =$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

x_1 y_1

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-3 - 0}{-4 - 2}$$

$m = 1/2$

$b = ?$

Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - 0 = \frac{1}{2}(x - 2)$$

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

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) _____

x_1 y_1

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-3 - 0}{-4 - 2}$$

$m = 1/2$

$b = ?$

Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - 0 = \frac{1}{2}(x - 2)$$

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

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) $y = \frac{1}{2}x - 1$

oblique line $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-3 - 0}{-4 - 2}$$

$m = 1/2$

$b = ?$

Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - 0 = \frac{1}{2}(x - 2)$$

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

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

11. The line through (2, 0) and (-4, -3) $y = \frac{1}{2}x - 1$

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-3 - 0}{-4 - 2} \qquad m = 1/2 \qquad b = ?$$

Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - 0 = \frac{1}{2}(x - 2)$$

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

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

12. The line through (-2, 1) and (3, -1) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

12. The line through (-2, 1) and (3, -1) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

12. The line through (-2, 1) and (3, -1) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

12. The line through (-2, 1) and (3, -1) _____

The line is not vertical.

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

12. The line through (-2, 1) and (3, -1) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

12. The line through (-2, 1) and (3, -1) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

12. The line through (-2, 1) and (3, -1) _____

The line is not horizontal.

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

12. The line through (-2, 1) and (3, -1) _____

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

12. The line through (-2, 1) and (3, -1) _____

oblique line

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

12. The line through (-2, 1) and (3, -1) _____

oblique line $\longrightarrow$ $y = mx + b$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

12. The line through (-2, 1) and (3, -1) _____

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

12. The line through (-2, 1) and (3, -1) _____

x_1 y_1 x_2 y_2

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} =$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

12. The line through (-2, 1) and (3, -1) _____

x_1 y_1 x_2 y_2

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\quad -1 \quad}$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

12. The line through (-2, 1) and (3, -1) _____

x_1 y_1 x_2 y_2

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-1 - 1}{}$$

General Algebra II CWS #2 Unit 2

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If the line is oblique, use slope-intercept form.

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x_1 y_1 x_2 y_2

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-1 - 1}{3}$$

General Algebra II CWS #2 Unit 2

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If the line is oblique, use slope-intercept form.

12. The line through (-2, 1) and (3, -1) _____

x_1 y_1 x_2 y_2

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-1 - 1}{3 - -2}$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

12. The line through (-2, 1) and (3, -1) _____

oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-1 - 1}{3 - -2}$$

$m = -2/5$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

12. The line through (-2, 1) and (3, -1) _____

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$m = -2/5$

$b = ?$

General Algebra II CWS #2 Unit 2

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$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-1 - 1}{3 - -2}$$

$m = -2/5$

$b = ?$

Use the point-slope equation.

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

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$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-1 - 1}{3 - -2}$$

$m = -2/5$

$b = ?$

Use the point-slope equation. $y - y_1 = m(x - x_1)$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

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x_1 y_1

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Use the point-slope equation. $y - y_1 = m(x - x_1)$

General Algebra II CWS #2 Unit 2

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$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-1 - 1}{3 - -2}$$

$m = -2/5$

$b = ?$

Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - 1 =$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

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$$y - y_1 = m(x - x_1)$$

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General Algebra II CWS #2 Unit 2

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$m = -2/5$

$b = ?$

Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - 1 = \frac{-2}{5}(x - -2)$$

General Algebra II CWS #2 Unit 2

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Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

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General Algebra II CWS #2 Unit 2

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$$y - 1 = \frac{-2}{5}(x + 2)$$

$$y - 1 = \frac{-2}{5}x$$

General Algebra II CWS #2 Unit 2

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$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-1 - 1}{3 - -2}$$

$m = -2/5$

$b = ?$

Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - 1 = \frac{-2}{5}(x + 2)$$

$$y - 1 = \frac{-2}{5}x - \frac{4}{5}$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
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Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - 1 = \frac{-2}{5}(x + 2)$$

$$y - 1 = \frac{-2}{5}x - \frac{4}{5}$$

$$y =$$

General Algebra II CWS #2 Unit 2

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Use the point-slope equation.

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$$y - 1 = \frac{-2}{5}(x + 2)$$

$$y - 1 = \frac{-2}{5}x - \frac{4}{5}$$

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General Algebra II CWS #2 Unit 2

Write the equation of each line described.
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$b = ?$

Use the point-slope equation.

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$$y - 1 = \frac{-2}{5}(x + 2)$$

$$y - 1 = \frac{-2}{5}x - \frac{4}{5}$$

$$y = \frac{-2}{5}x + \frac{1}{5}$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

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$b = ?$

Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - 1 = \frac{-2}{5}(x + 2)$$

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General Algebra II CWS #2 Unit 2

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If the line is oblique, use slope-intercept form.

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oblique line $\longrightarrow$ $y = mx + b$

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{-1 - 1}{3 - -2} \qquad m = -2/5 \qquad b = ?$$

Use the point-slope equation.

$$y - y_1 = m(x - x_1)$$

$$y - 1 = \frac{-2}{5}(x + 2)$$

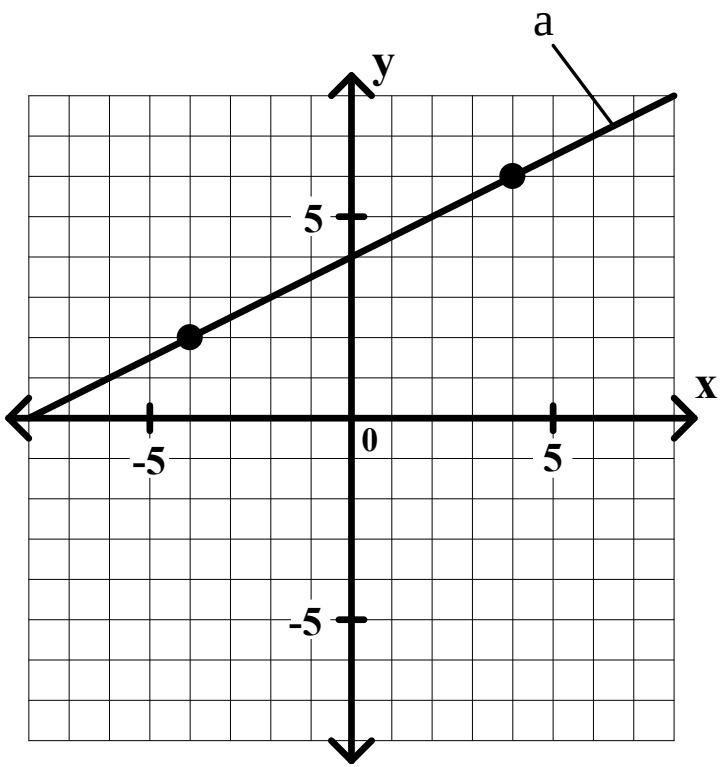
$$y - 1 = \frac{-2}{5}x - \frac{4}{5}$$

$$y = \frac{-2}{5}x + \frac{1}{5}$$

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

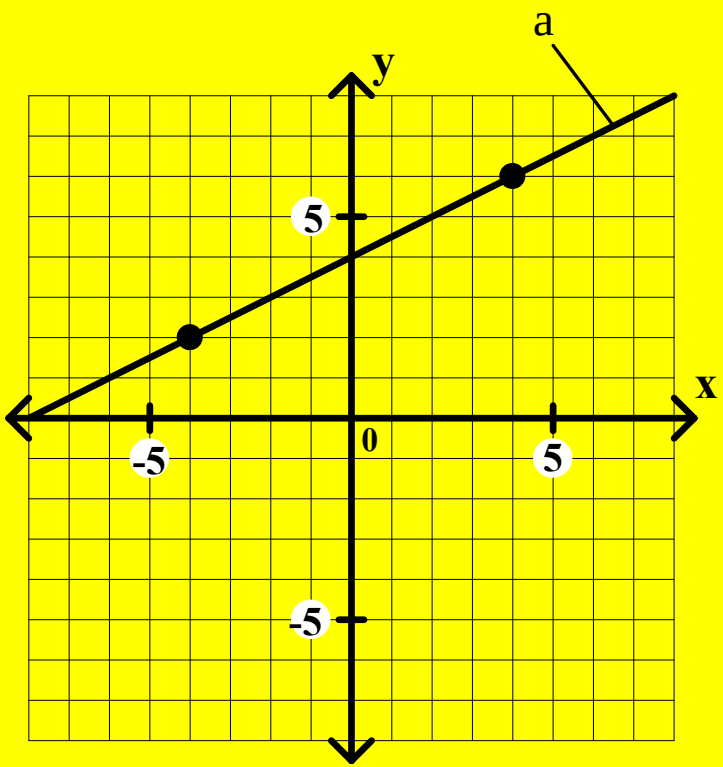
13. Line a: _____



General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

13. Line a: _____

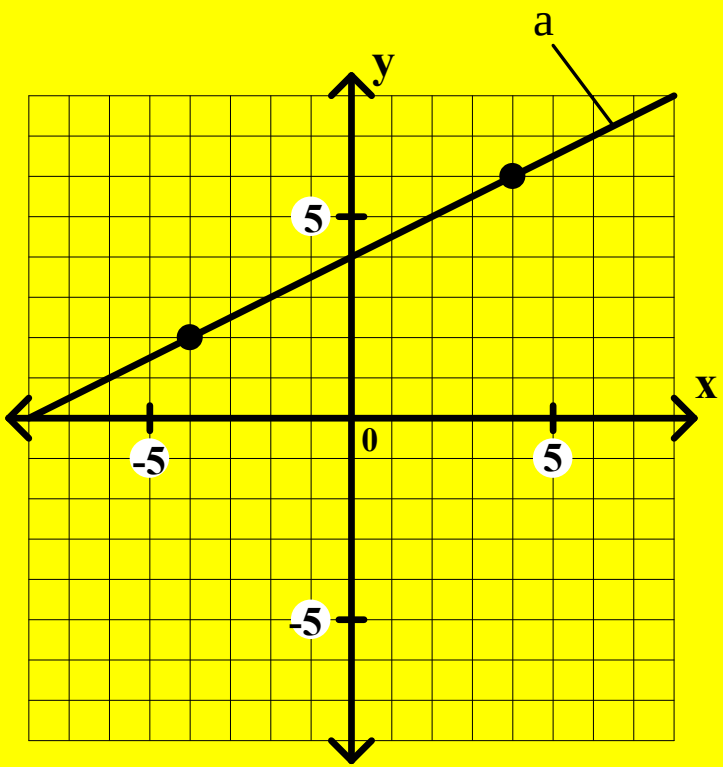


General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

13. Line a: _____

oblique line

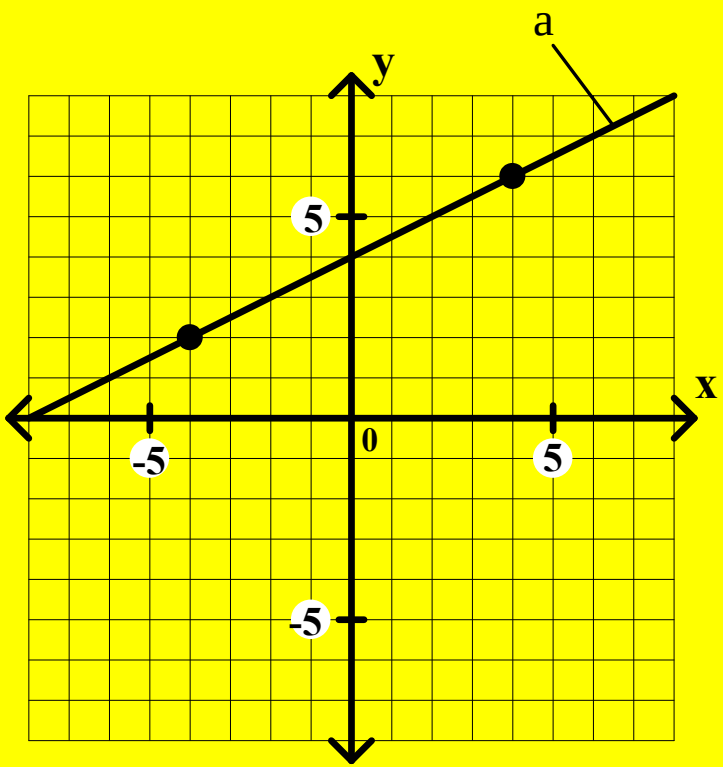


General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

13. Line a: _____

oblique line → y = mx + b



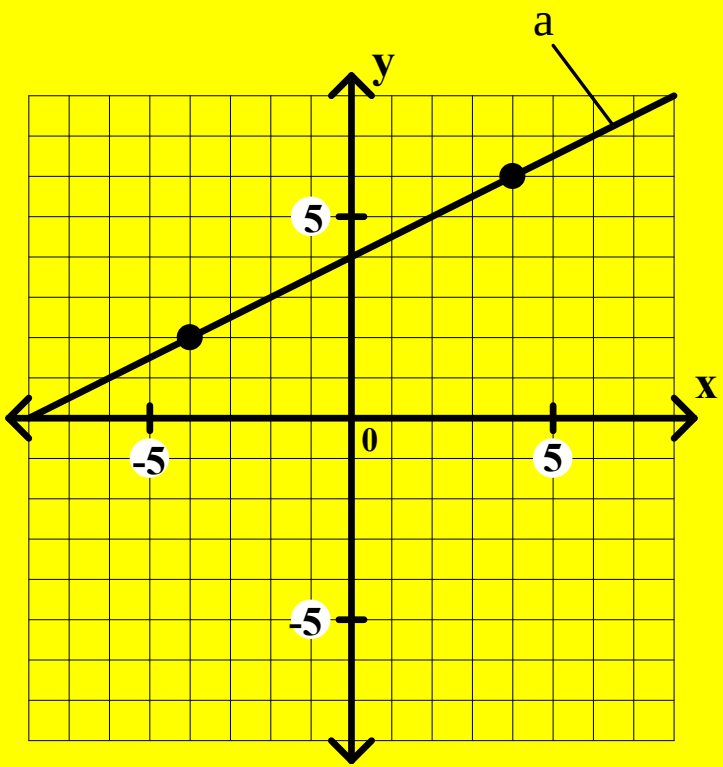
General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

13. Line a: _____

oblique line ⟶ y = mx + b

through (-4, 2) and (4, 6)



General Algebra II CWS #2 Unit 2

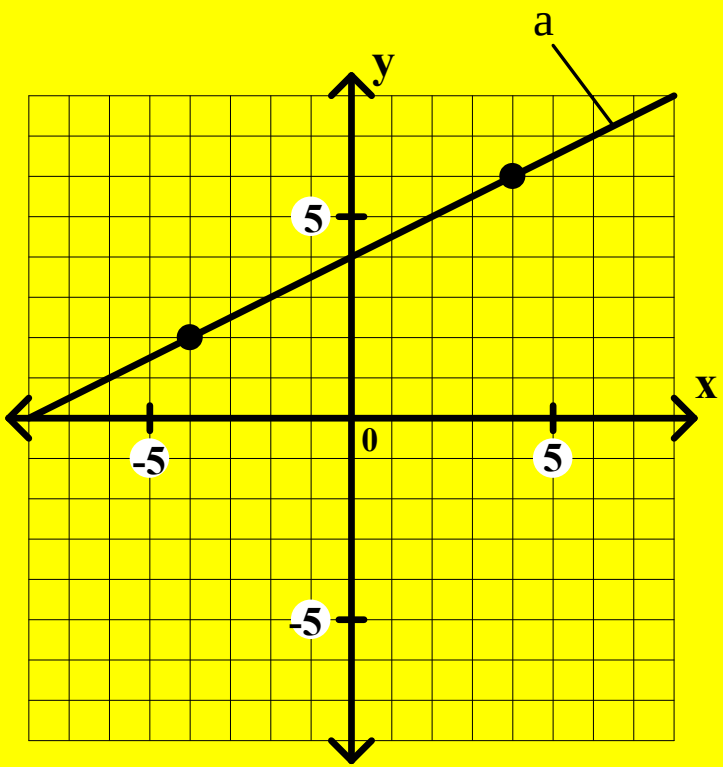
Write the equation of each line described.
If the line is oblique, use slope-intercept form.

13. Line a: _____

oblique line $\longrightarrow$ $y = mx + b$

through (-4, 2) and (4, 6)

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$



General Algebra II CWS #2 Unit 2

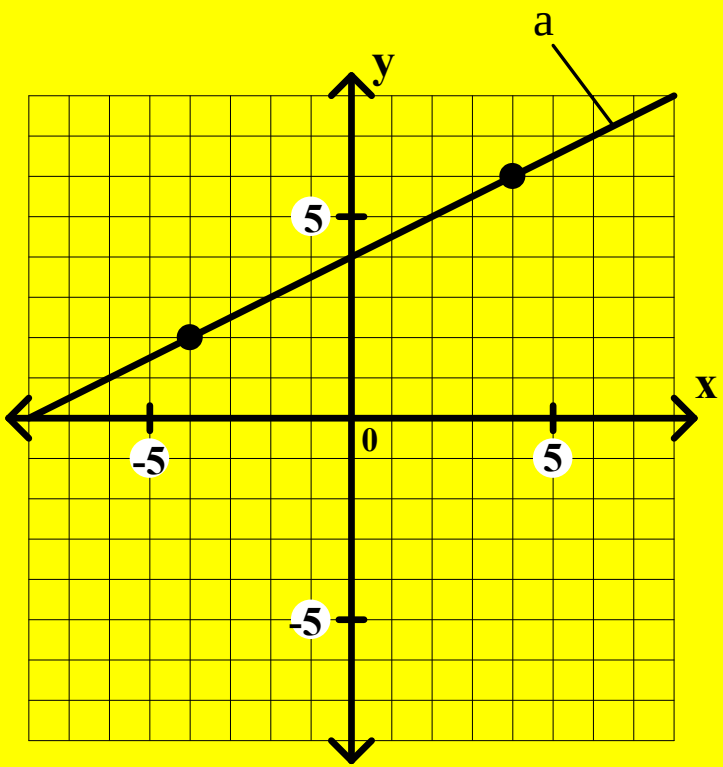
Write the equation of each line described.
If the line is oblique, use slope-intercept form.

13. Line a: _____

oblique line $\longrightarrow$ $y = mx + b$

through (-4, 2) and (4, 6)

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \underline{\quad 6 \quad}$$



General Algebra II CWS #2 Unit 2

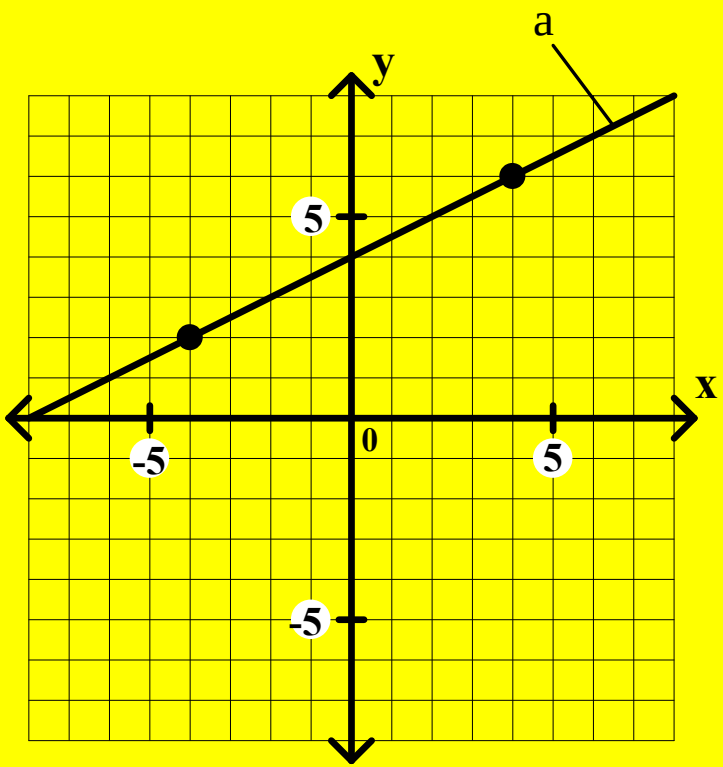
Write the equation of each line described.
If the line is oblique, use slope-intercept form.

13. Line a: _____

oblique line $\longrightarrow$ $y = mx + b$

through (-4, 2) and (4, 6)

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{6 - 2}{}$$



General Algebra II CWS #2 Unit 2

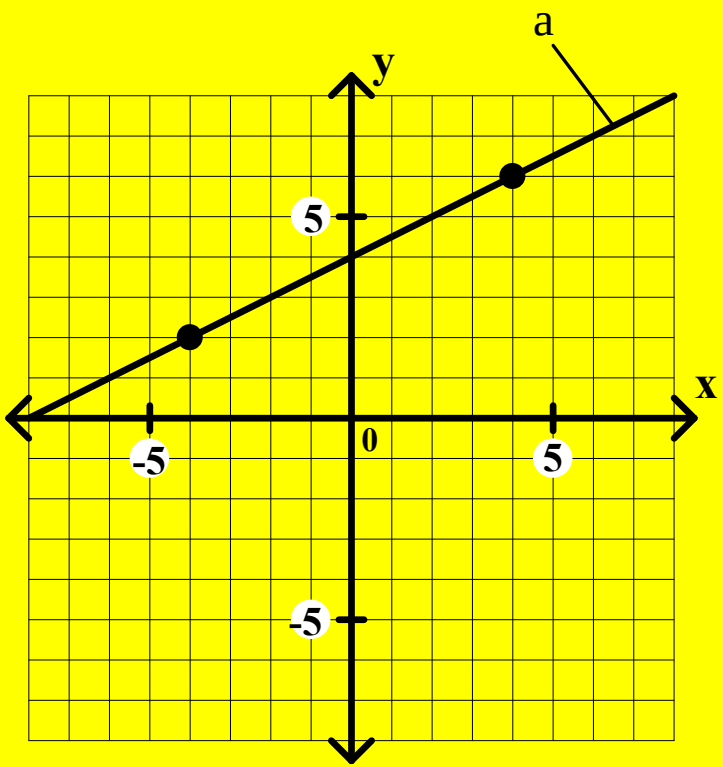
Write the equation of each line described.
If the line is oblique, use slope-intercept form.

13. Line a: _____

oblique line $\longrightarrow$ $y = mx + b$

through (-4, 2) and (4, 6)

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{6 - 2}{4}$$



General Algebra II CWS #2 Unit 2

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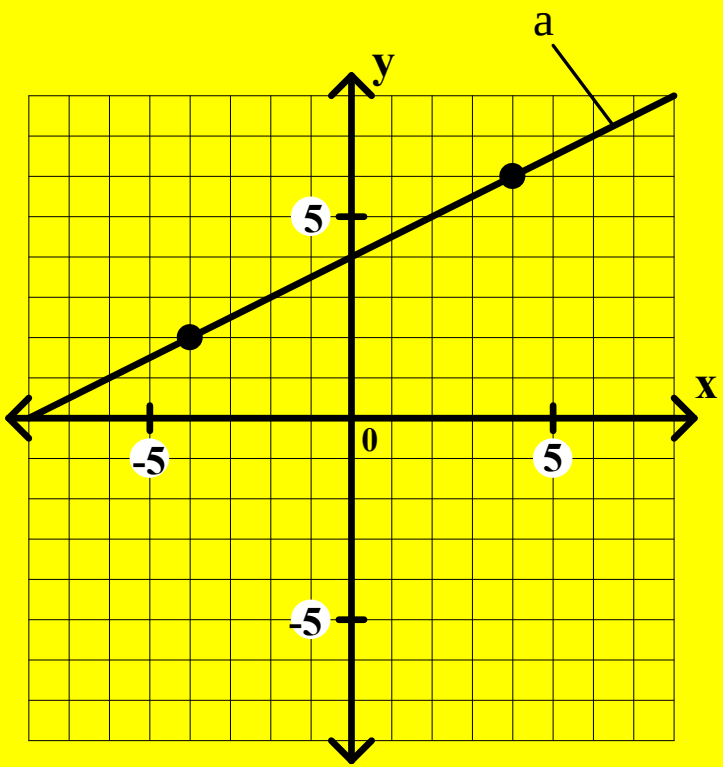
If the line is oblique, use slope-intercept form.

13. Line a: _____

oblique line $\longrightarrow$ $y = mx + b$

through (-4, 2) and (4, 6)

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{6 - 2}{4 - -4}$$



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If the line is oblique, use slope-intercept form.

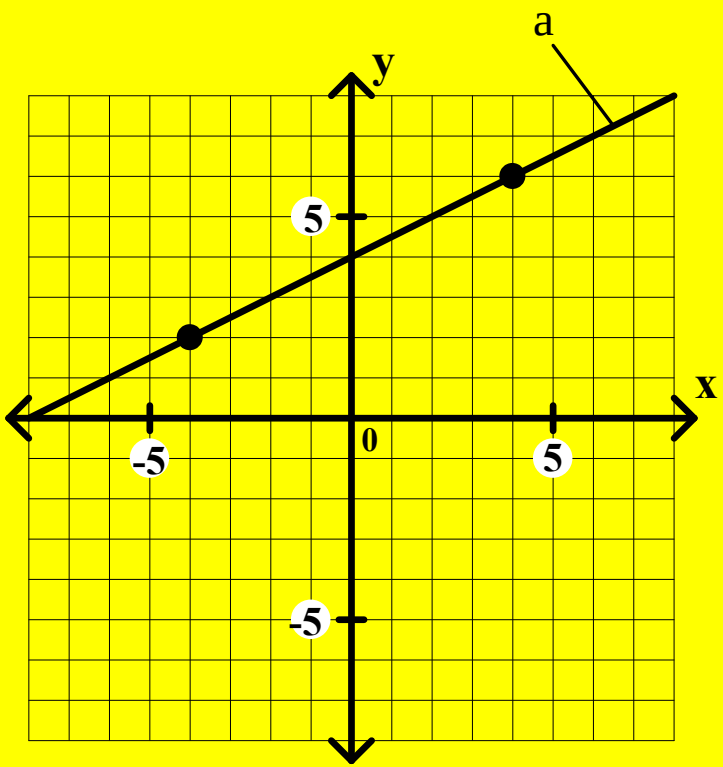
13. Line a: _____

oblique line $\longrightarrow$ $y = mx + b$

through (-4, 2) and (4, 6)

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{6 - 2}{4 - -4}$$

$m = 1/2$



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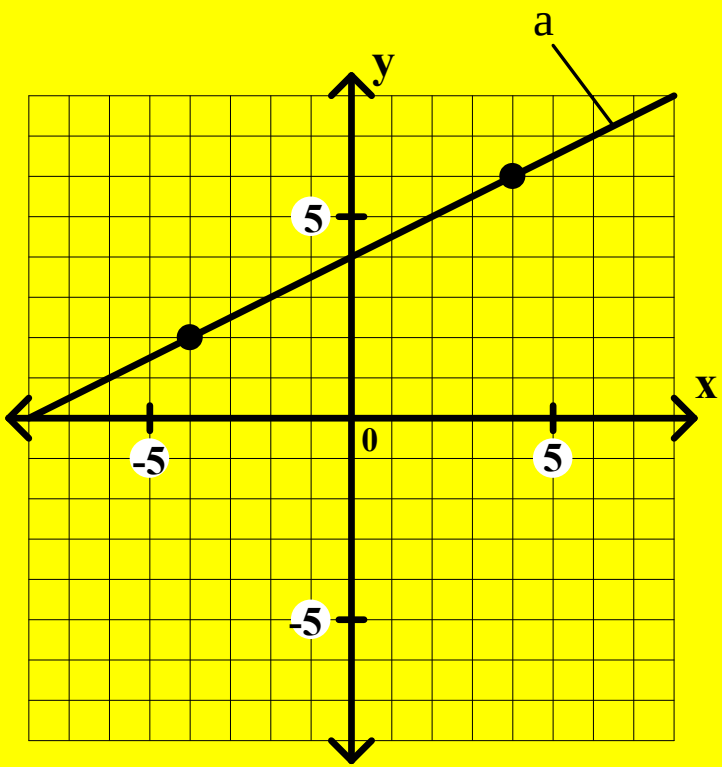

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
If the line is oblique, use slope-intercept form.

13. Line a: _____

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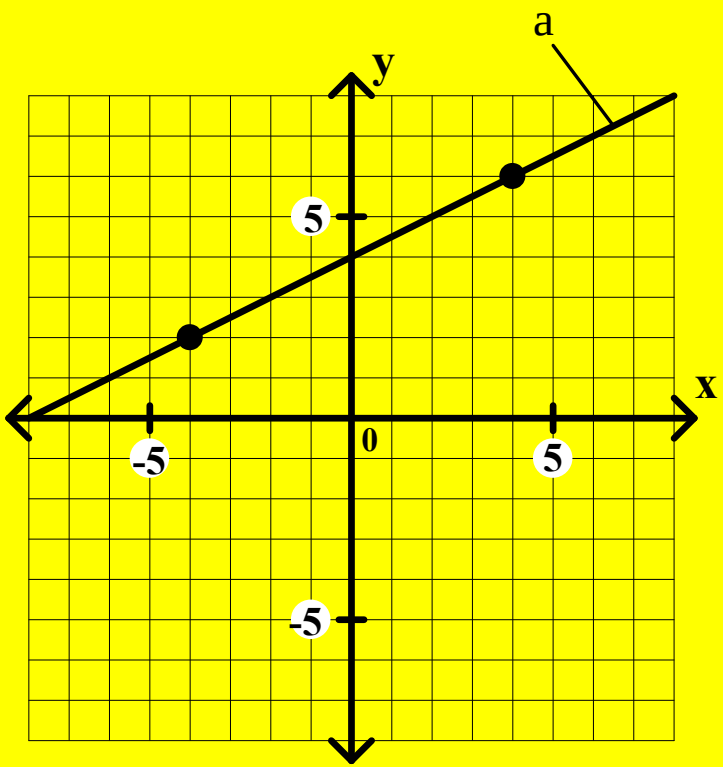

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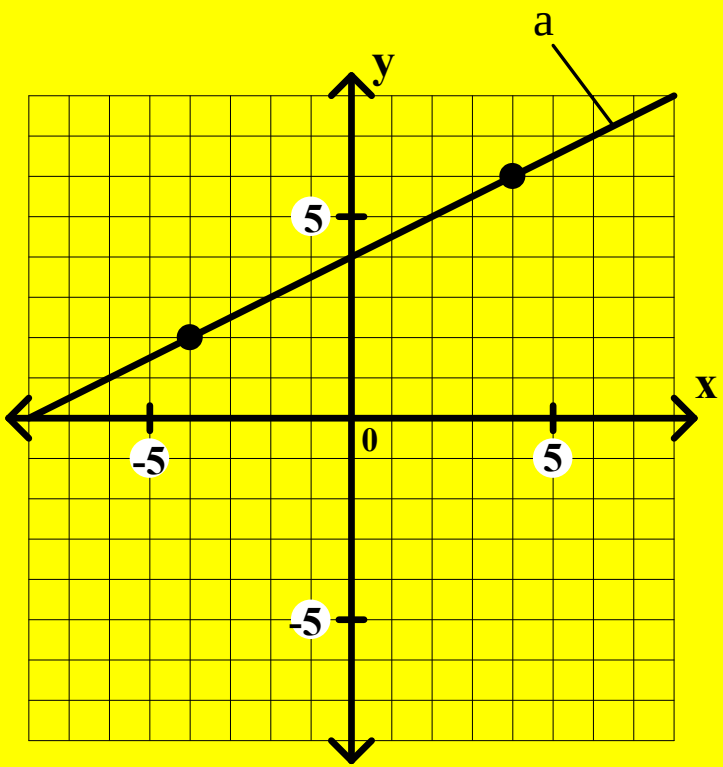

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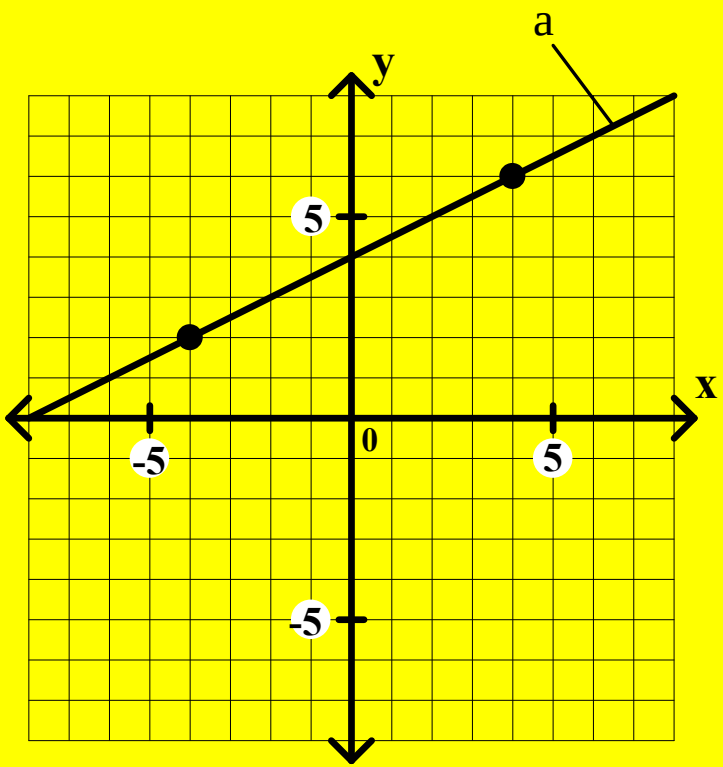

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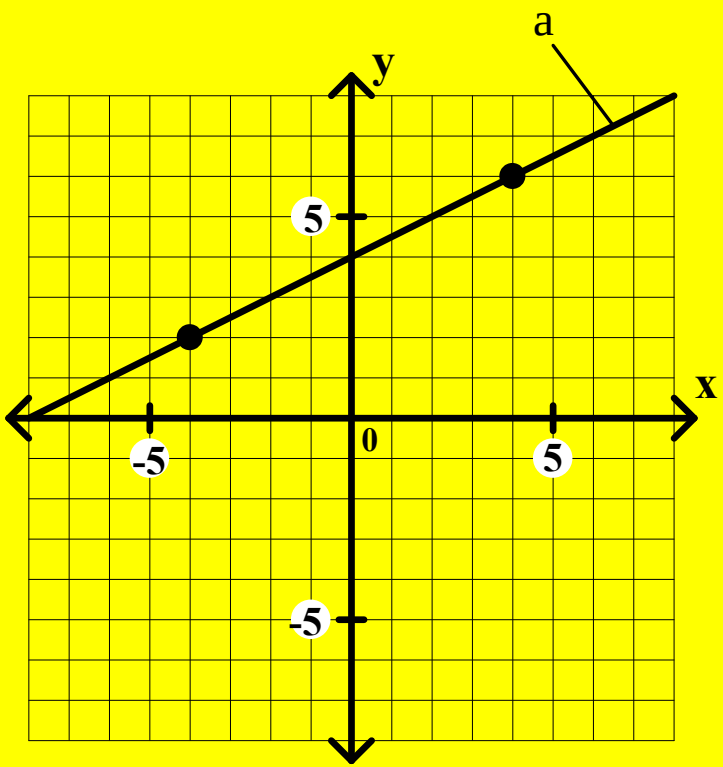

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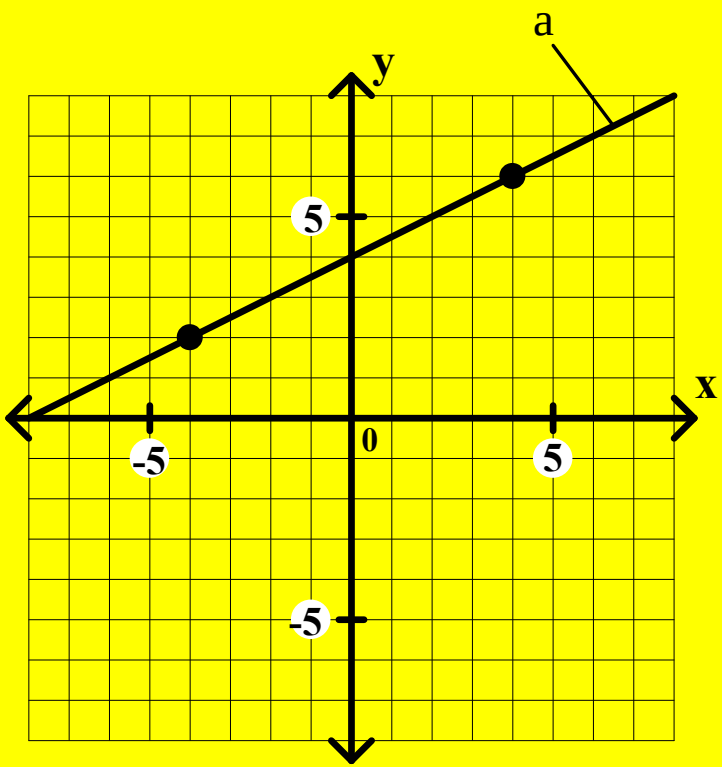

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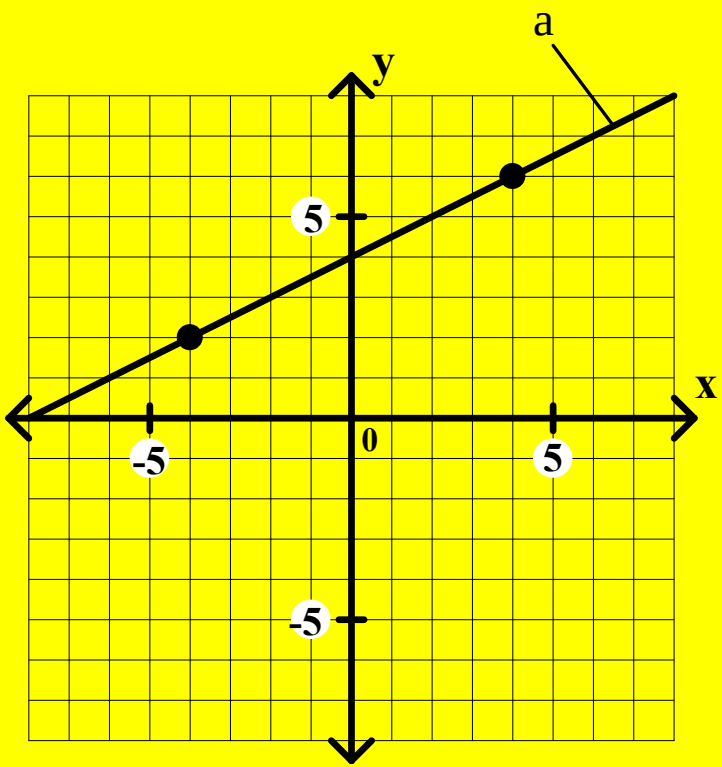

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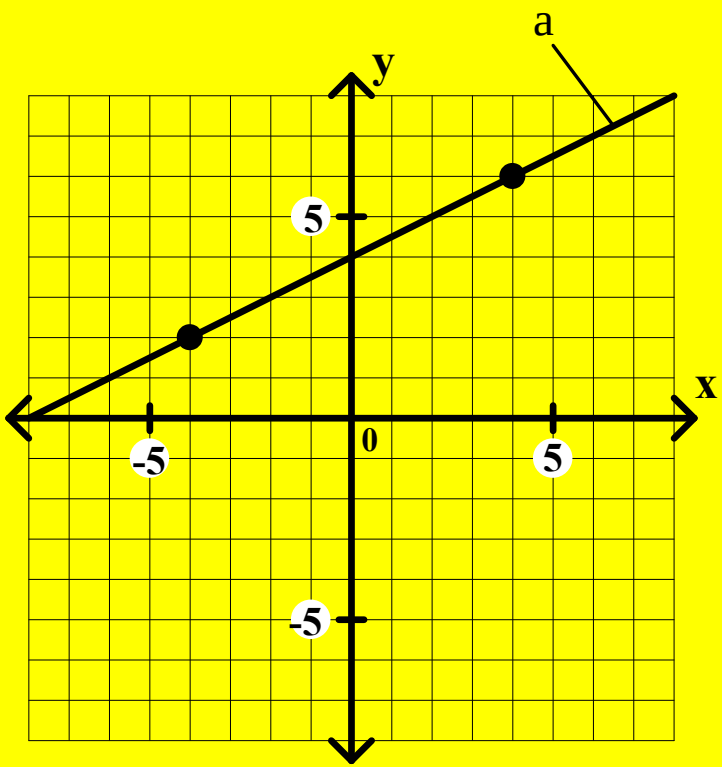

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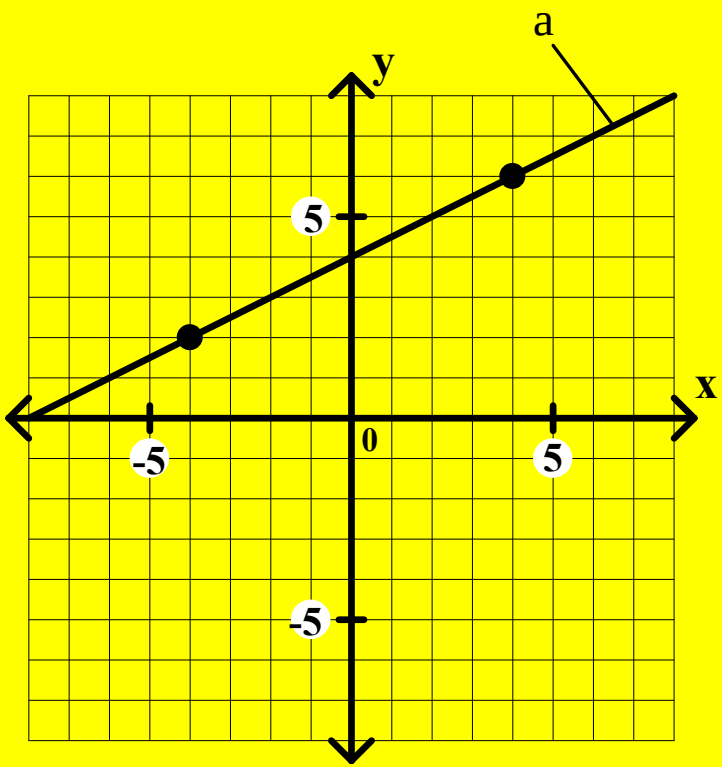

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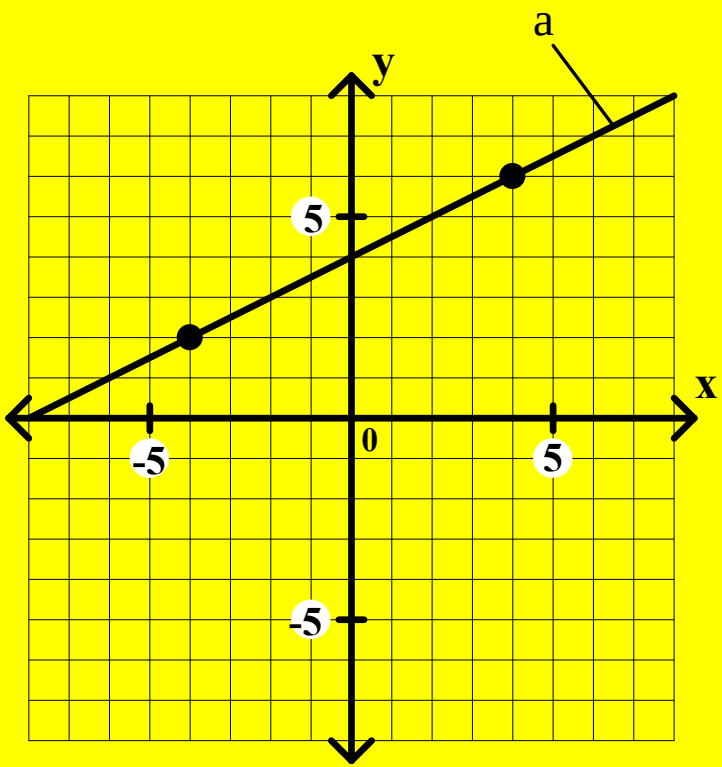

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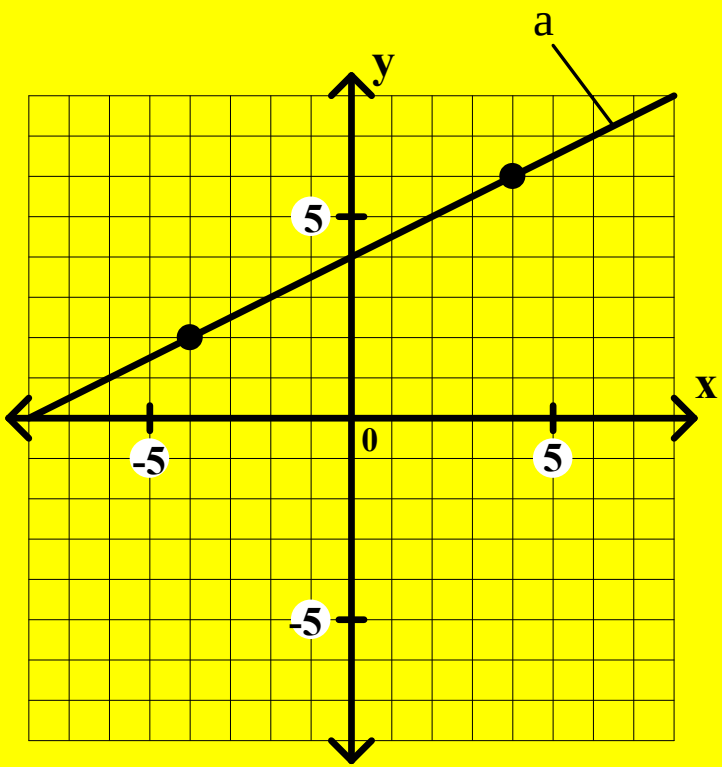

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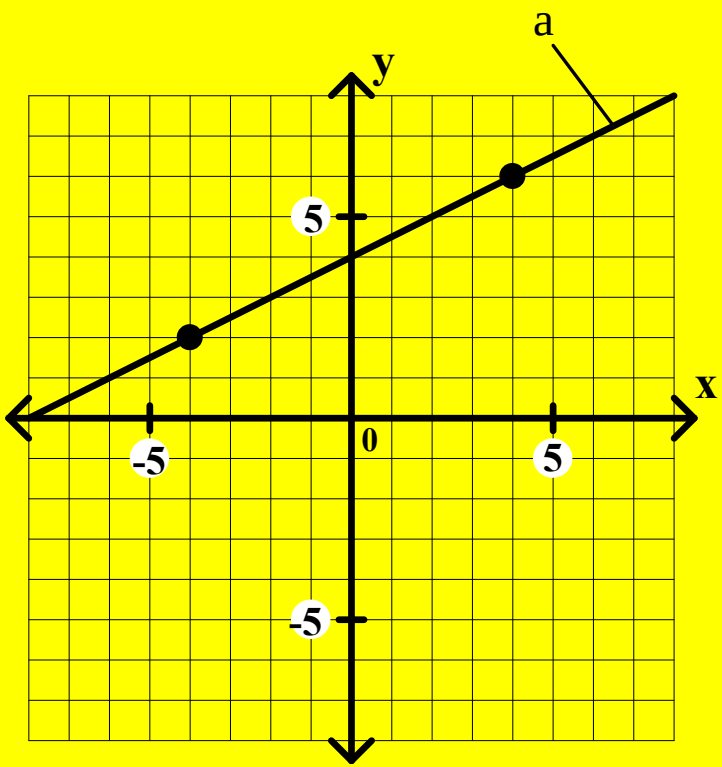

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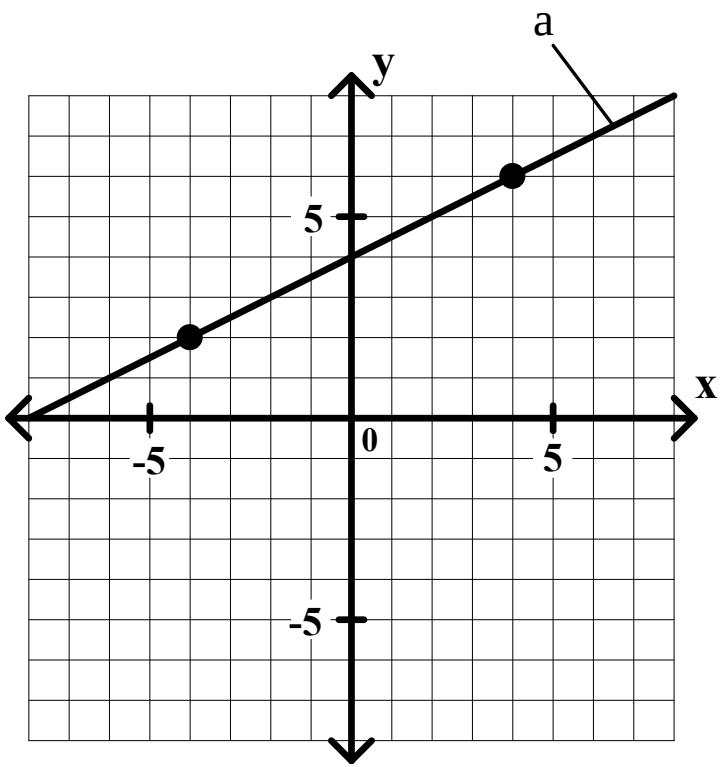

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General Algebra II CWS #2 Unit 2

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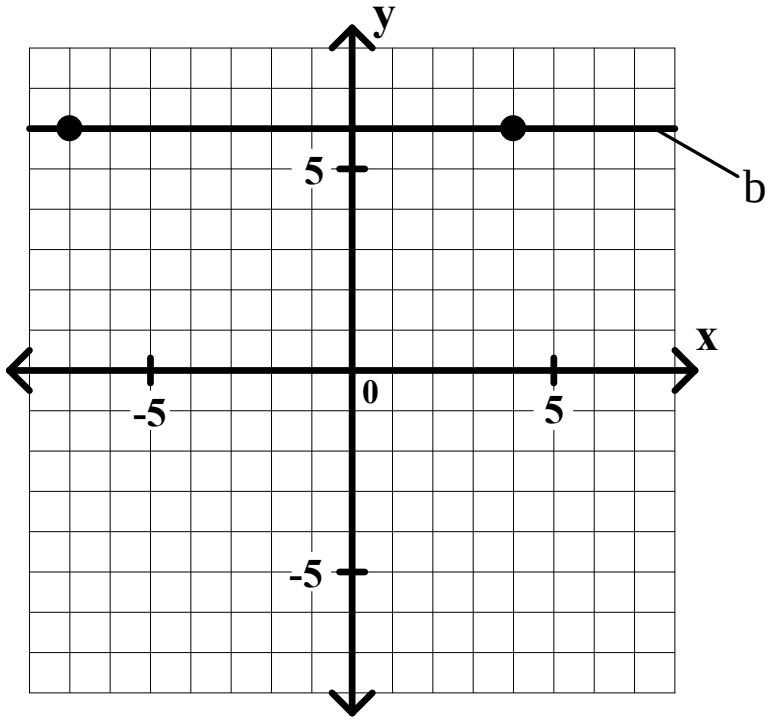
If the line is oblique, use slope-intercept form.

14. Line b: _____



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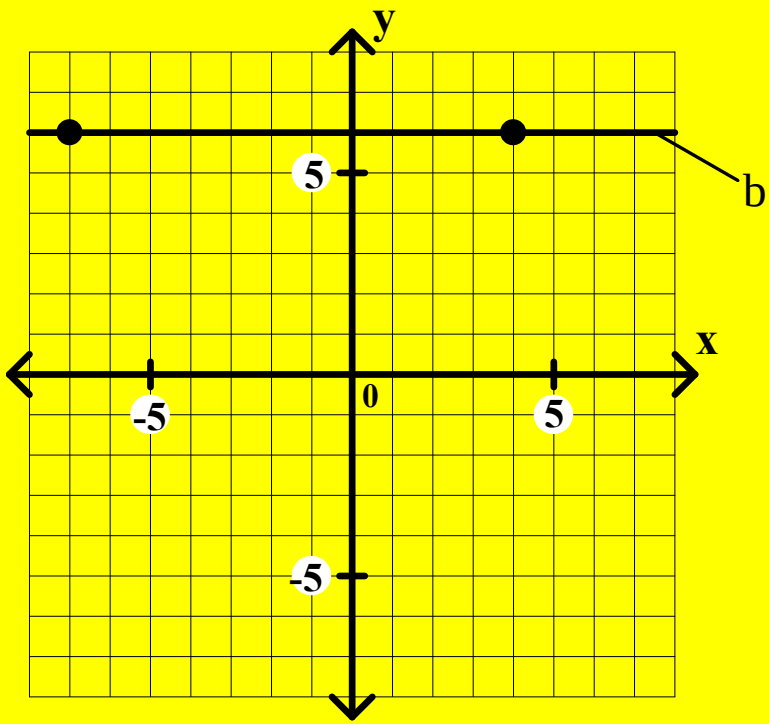

General Algebra II CWS #2 Unit 2

Write the equation of each line described.
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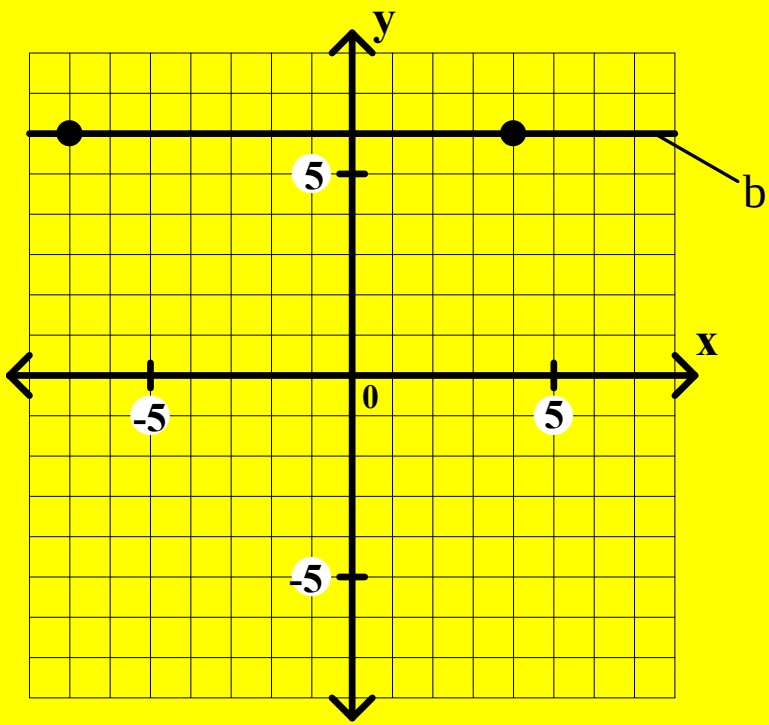
14. Line b: _____

horizontal line



General Algebra II CWS #2 Unit 2

Write the equation of each line described.
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14. Line b: _____

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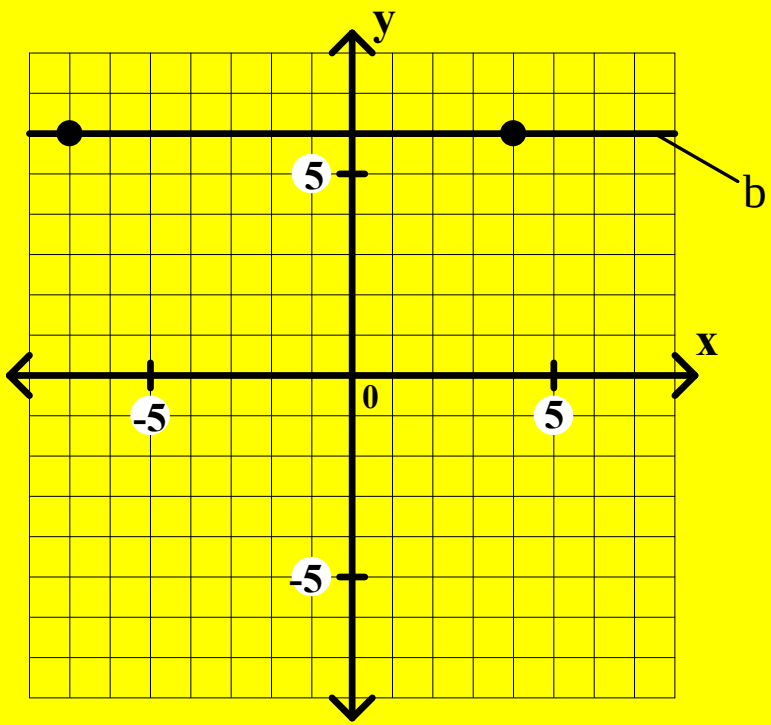
through (-7, 6) and (4, 6)



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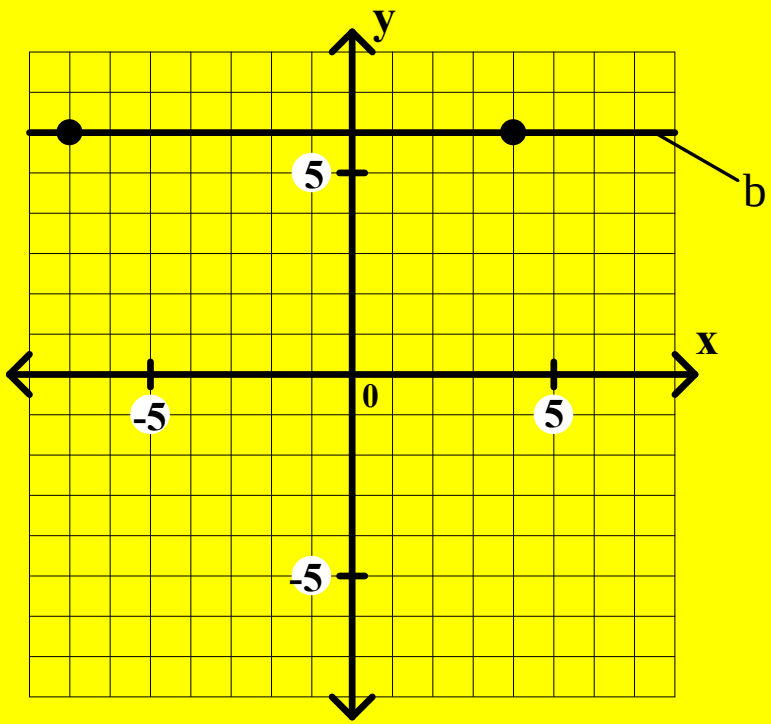

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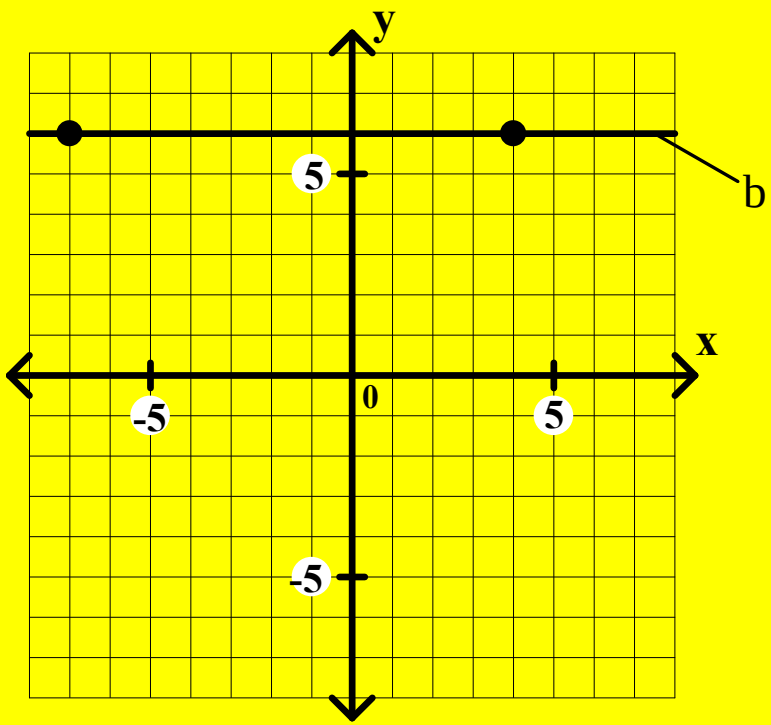

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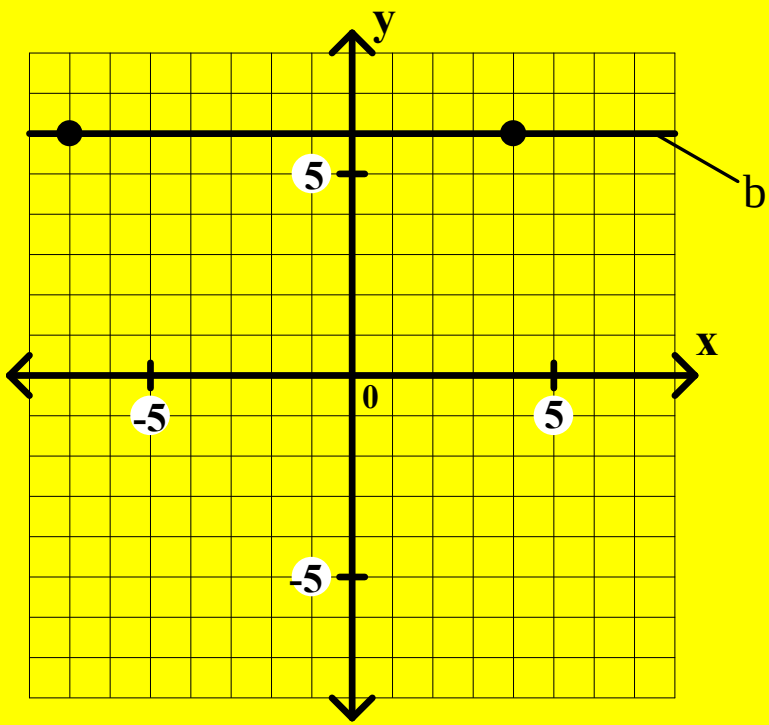

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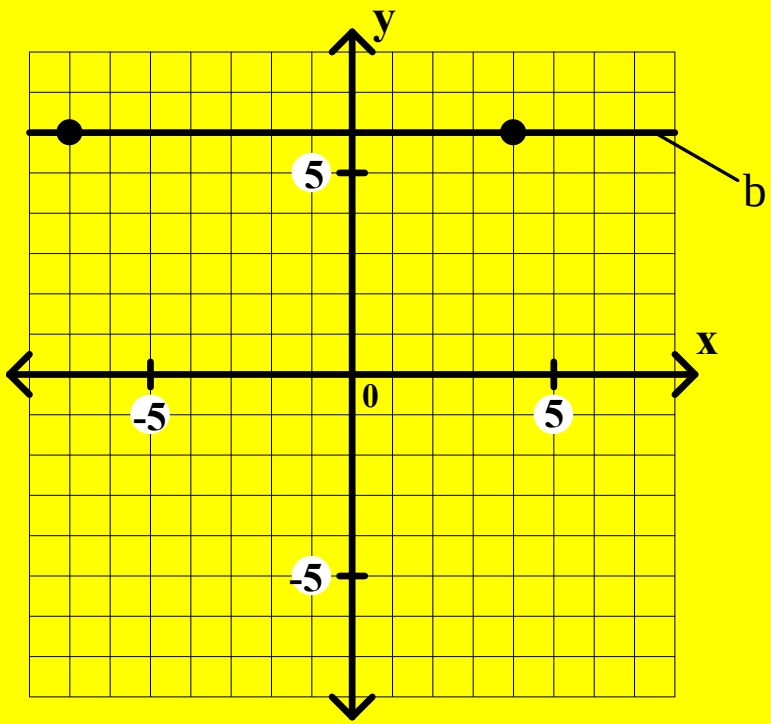

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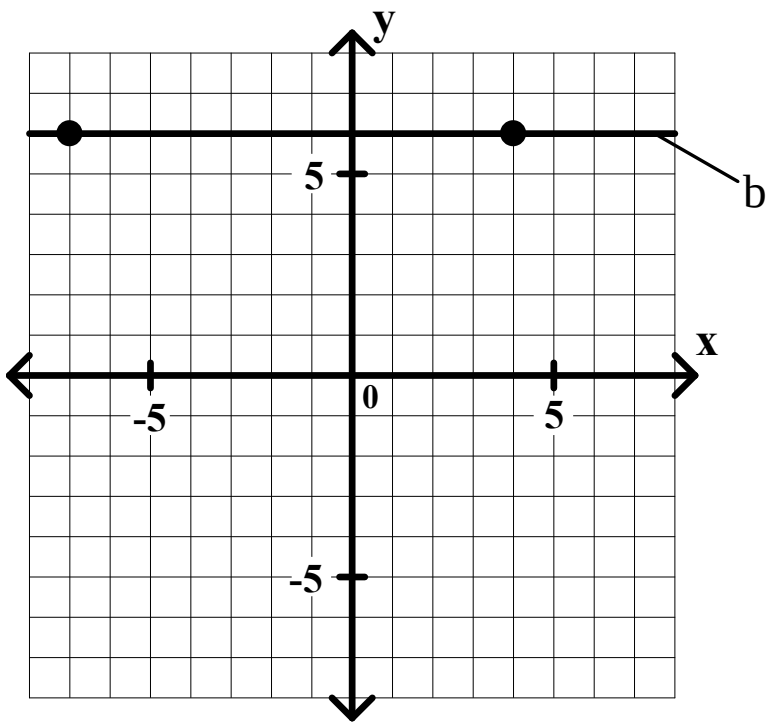

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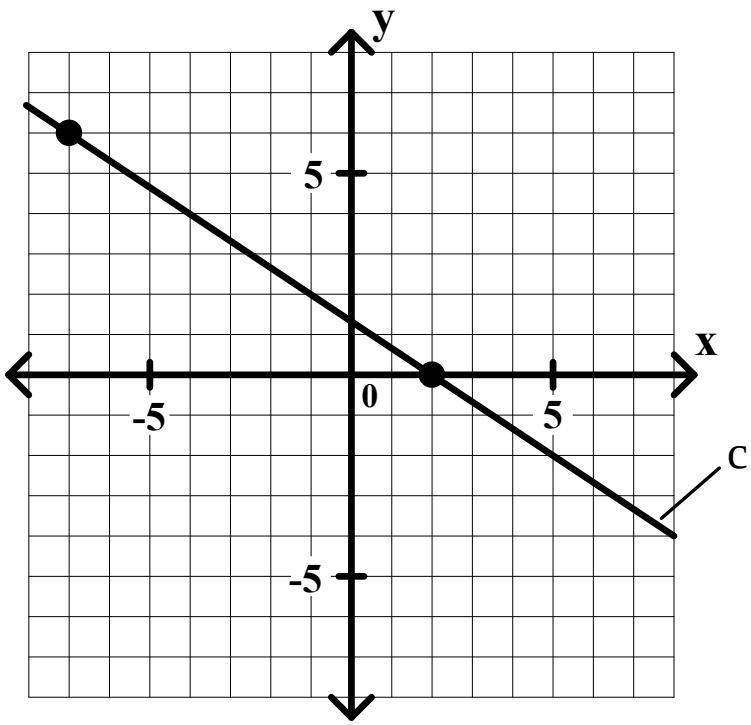

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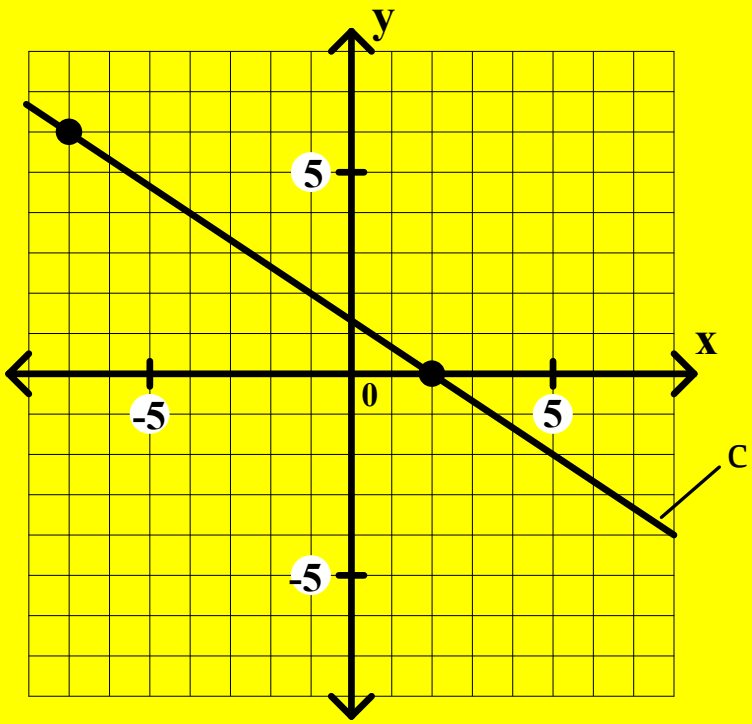

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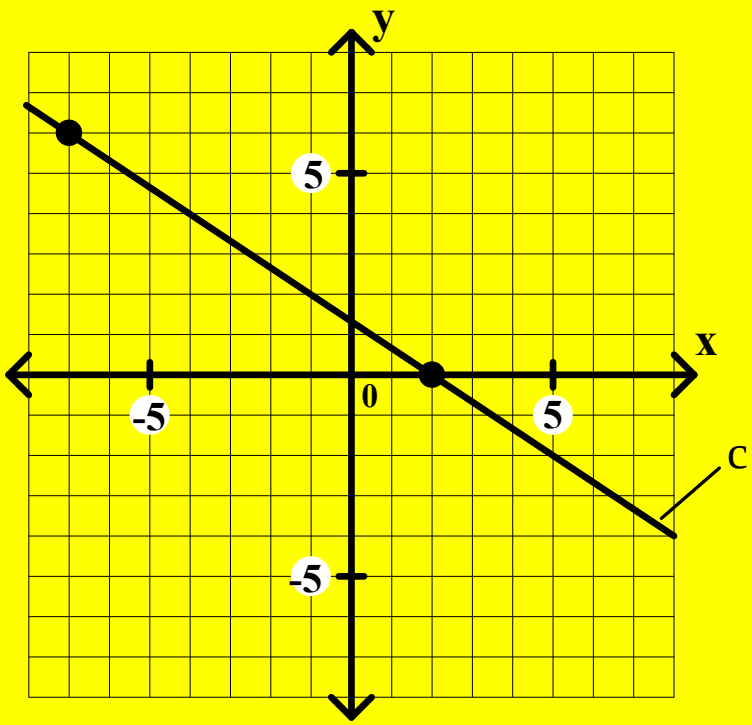

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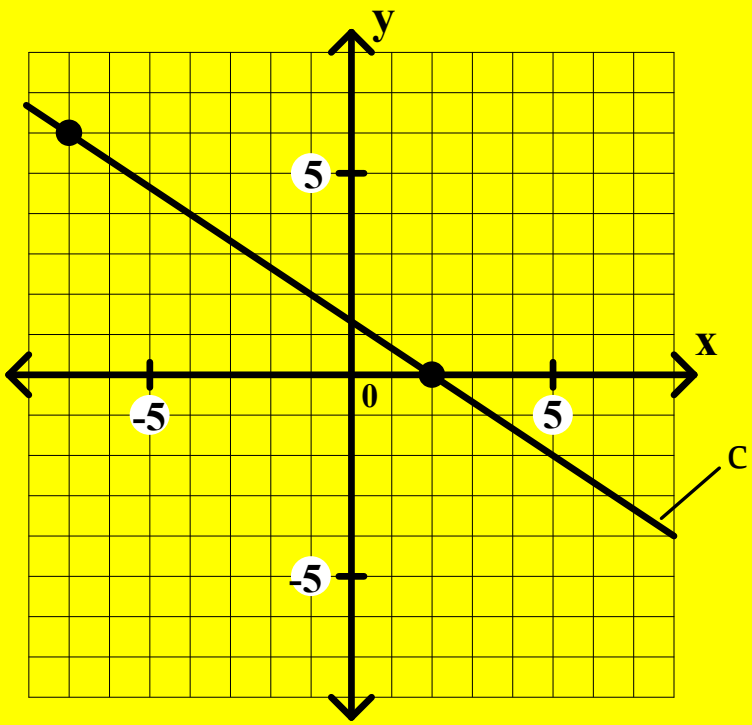

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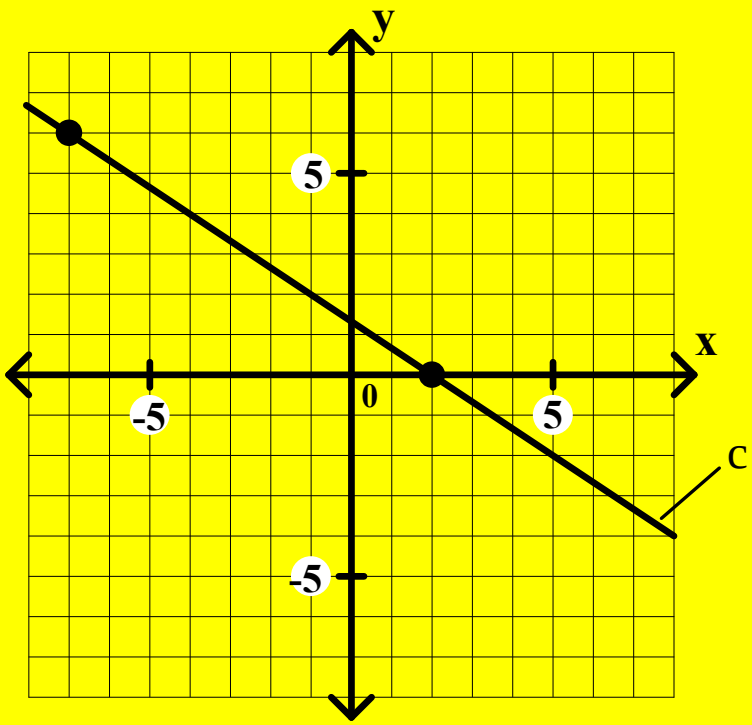

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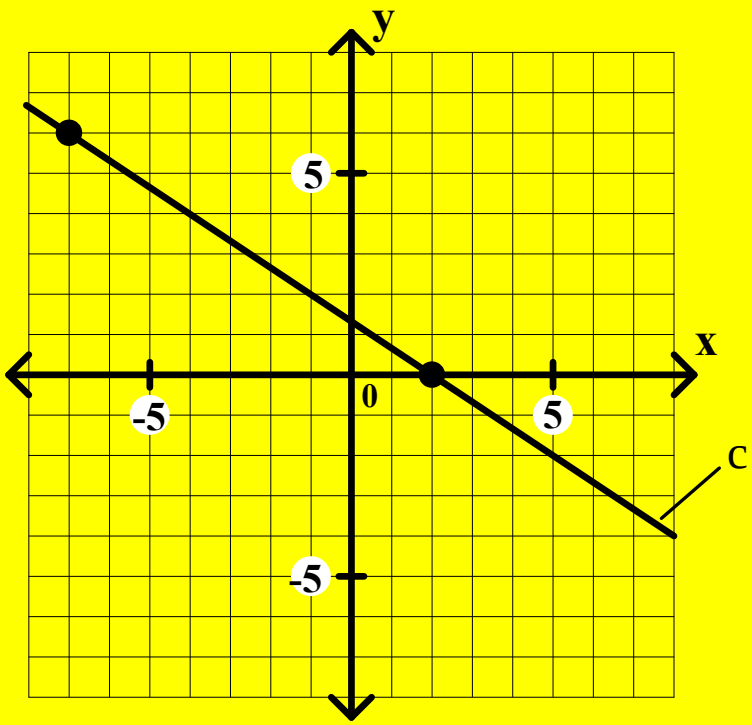

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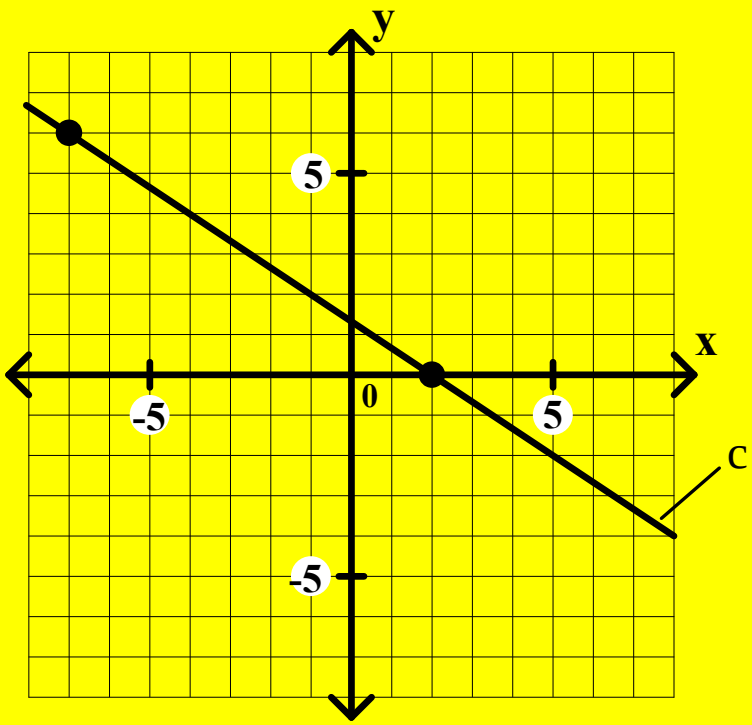

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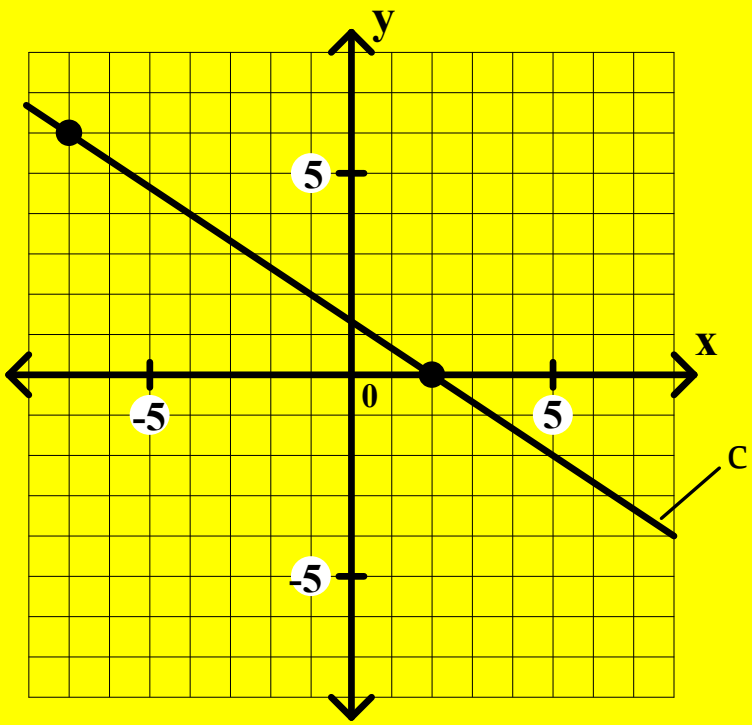

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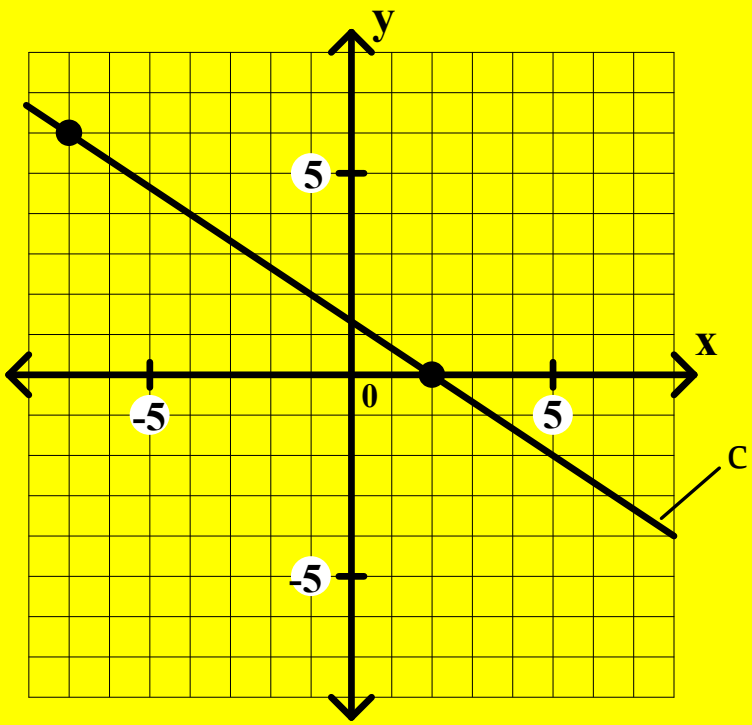

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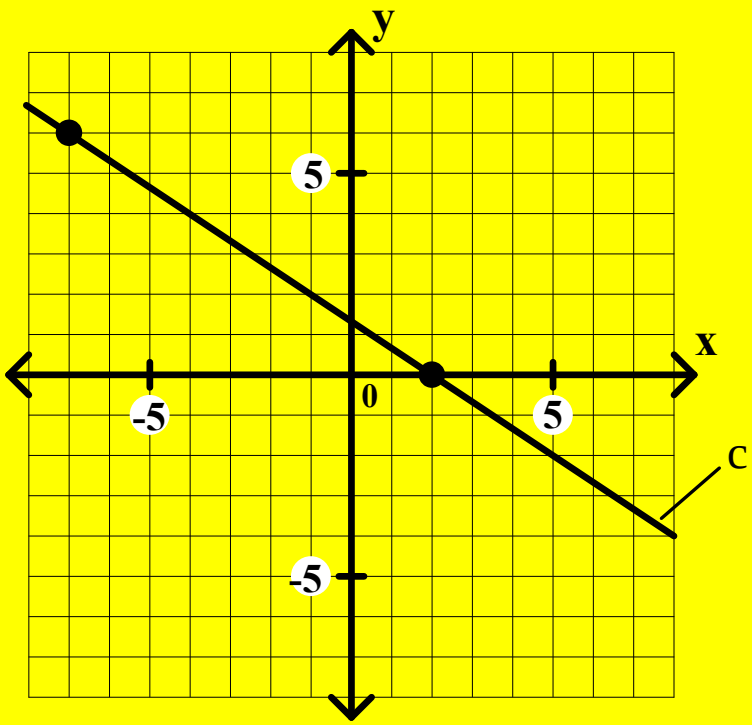

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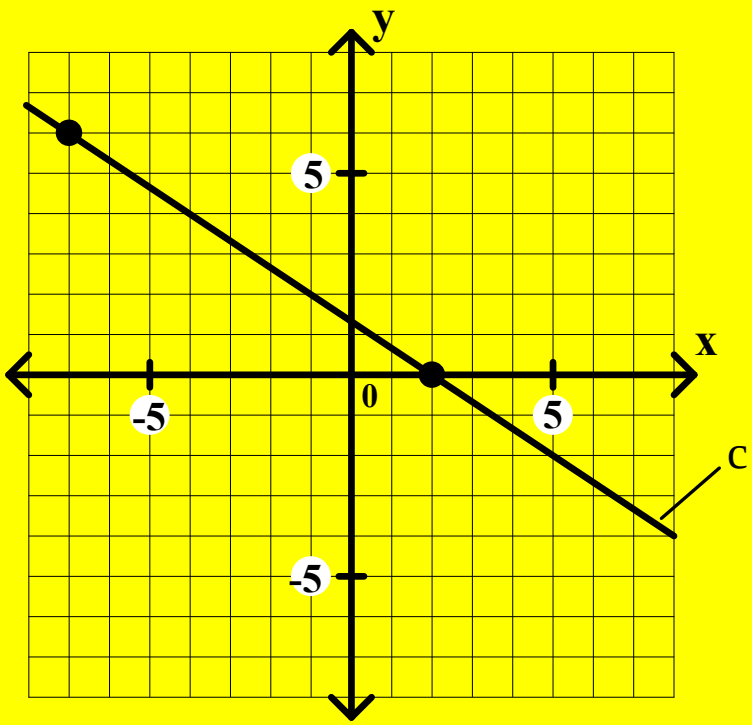

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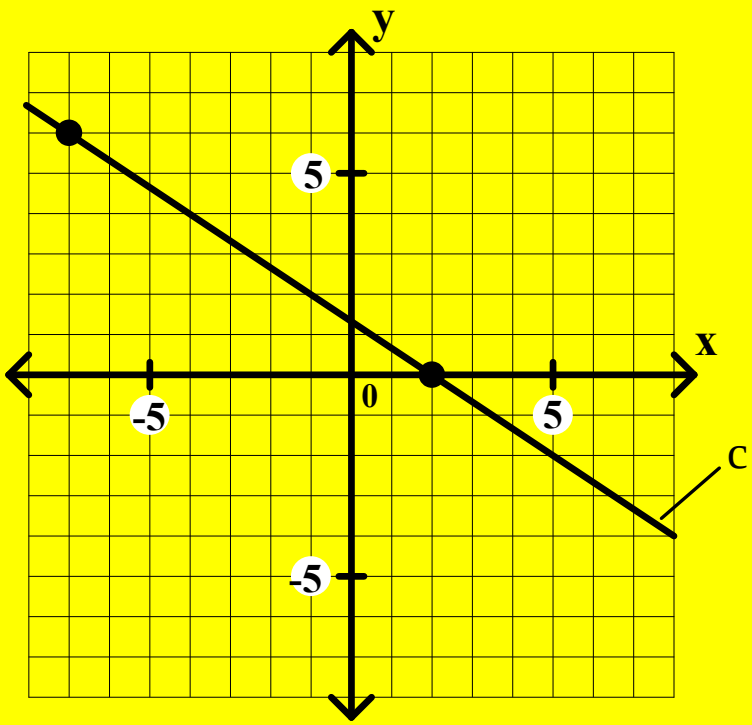

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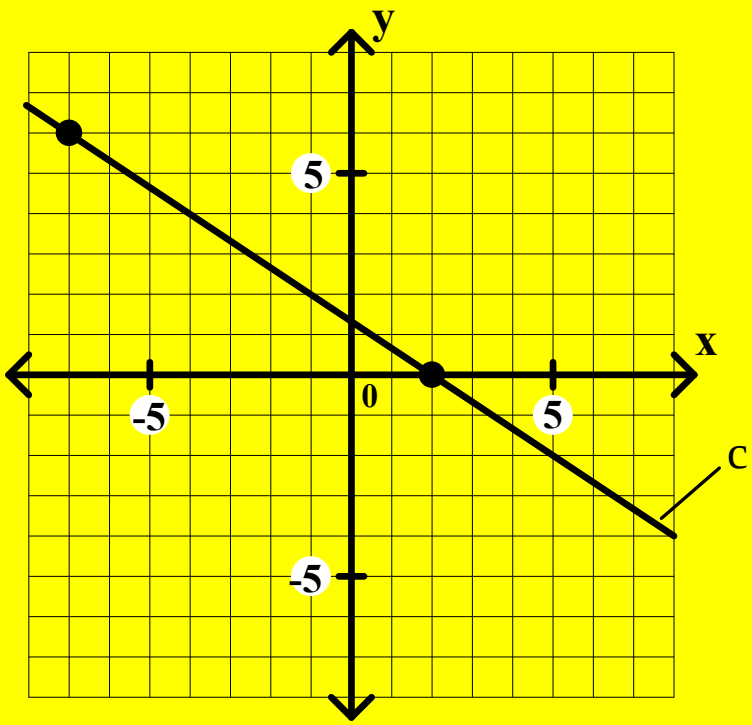

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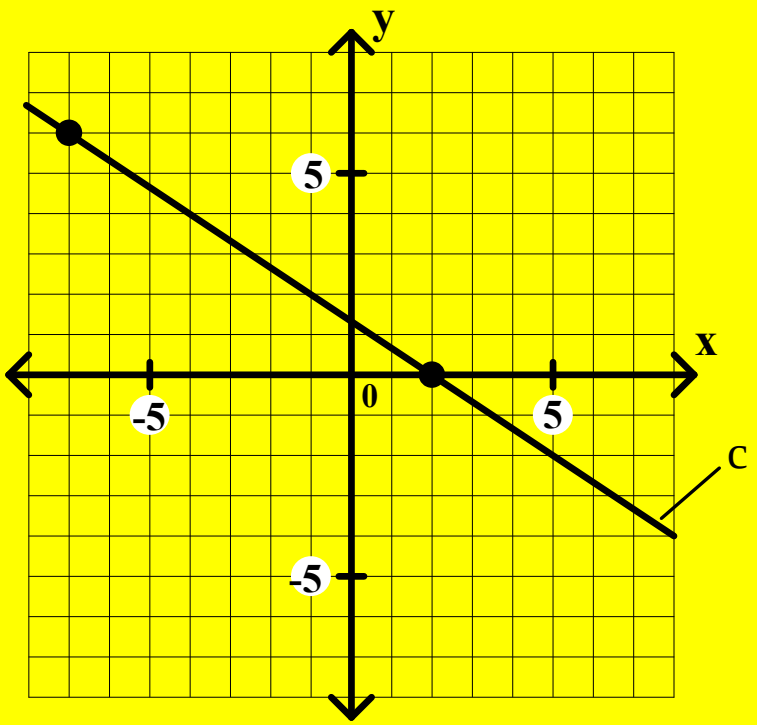

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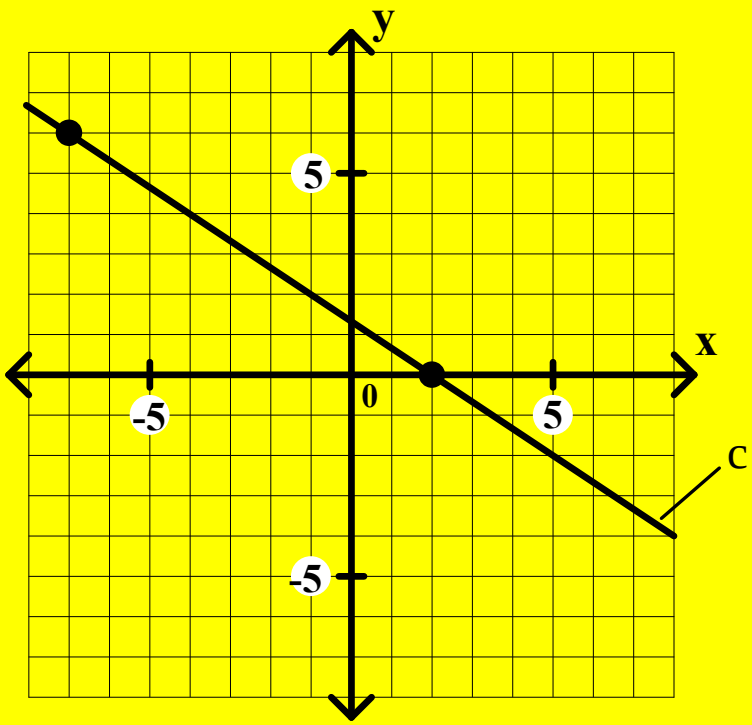

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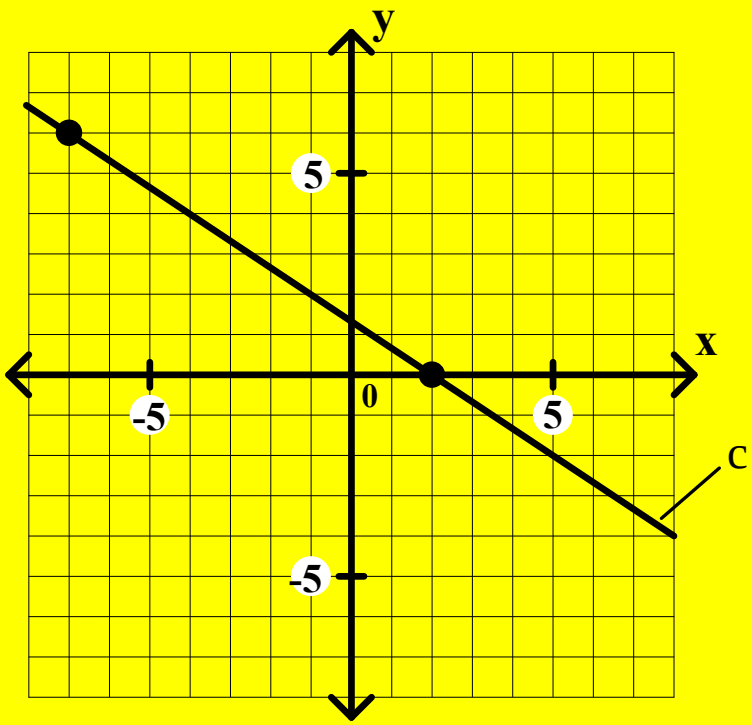

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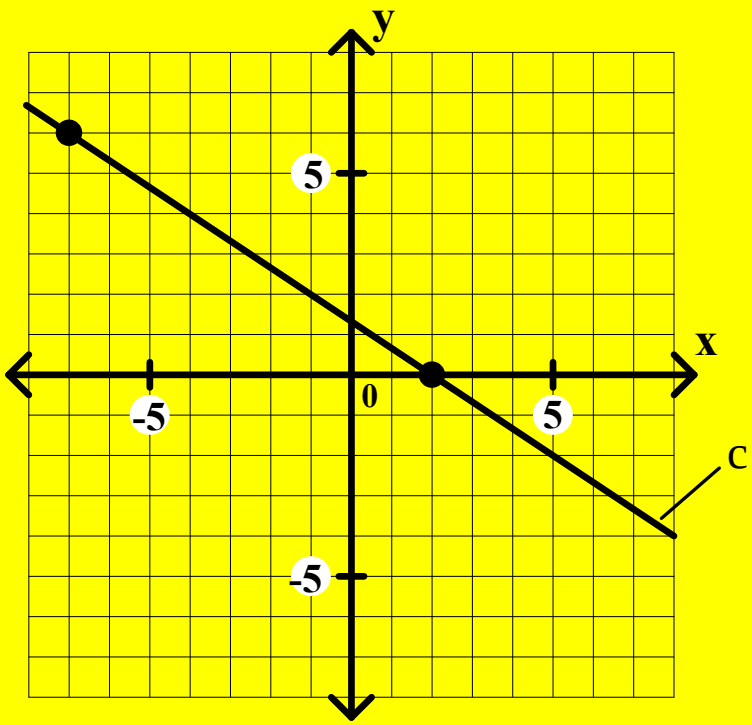

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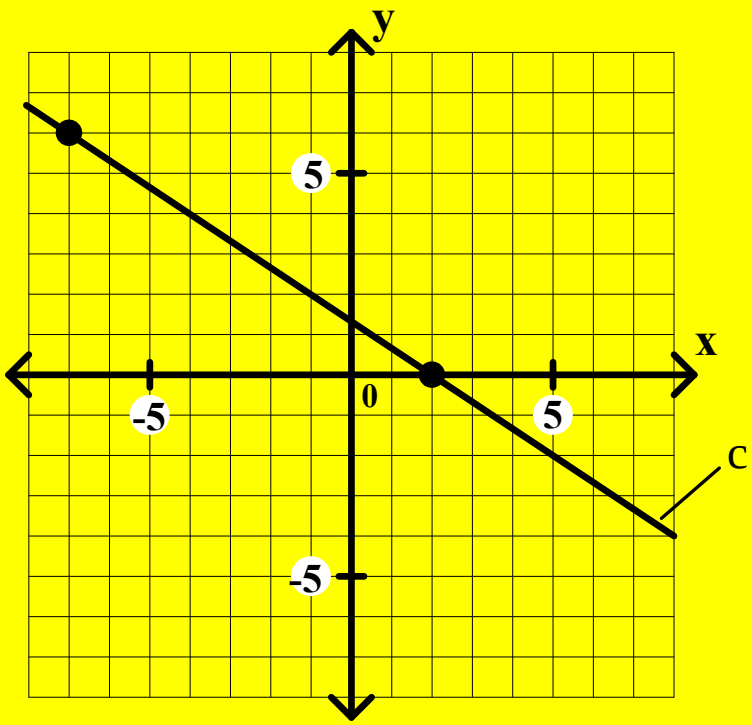

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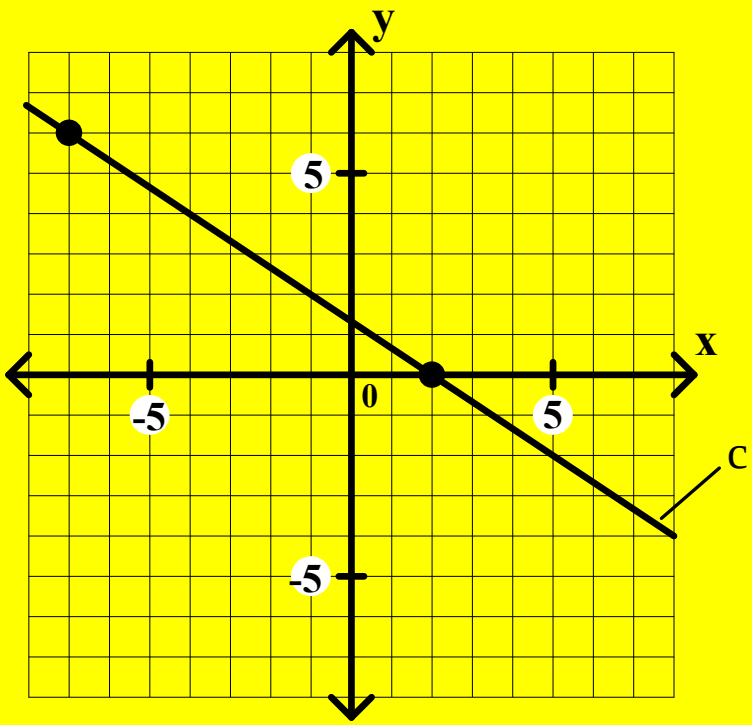

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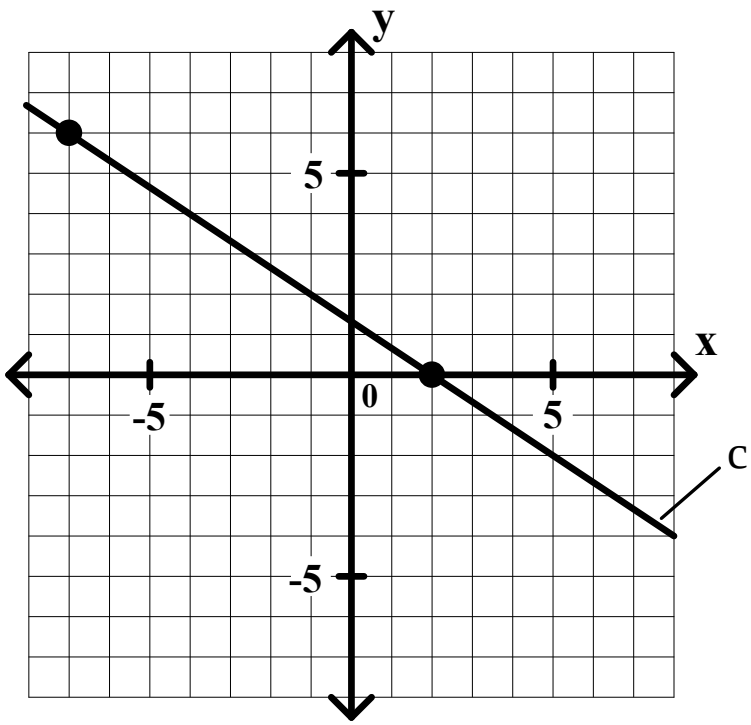

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Good luck on worksheet #2.

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