Algebra II Lesson #2 Unit 2

Notes #2

Class Worksheet #2

For Worksheets #2 & #4

Algebra II Class Worksheet #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).** _____

Algebra II Class Worksheet #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).** _____

Algebra II Class Worksheet #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).** _____

Algebra II Class Worksheet #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).** _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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).** _____

Algebra II Class Worksheet #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).** _____

Algebra II Class Worksheet #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).** _____

Algebra II Class Worksheet #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).** _____

Algebra II Class Worksheet #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

Algebra II Class Worksheet #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

Algebra II Class Worksheet #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

Algebra II Class Worksheet #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

Algebra II Class Worksheet #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).** _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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 $\longrightarrow$ $y = k$

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

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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

Algebra II Class Worksheet #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

Algebra II Class Worksheet #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

Algebra II Class Worksheet #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

Algebra II Class Worksheet #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

Algebra II Class Worksheet #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).** _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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 → y = mx + b

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

Algebra II Class Worksheet #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 → y = mx + b

m = -4

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

Algebra II Class Worksheet #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 → y = mx + b

m = -4

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

Algebra II Class Worksheet #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 → y = mx + b

m = -4 **b = 5**

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

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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 → $y = mx + b$

$m = -4 \quad b = 5$

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

Algebra II Class Worksheet #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 → $y = mx + b$

$m = -4 \quad b = 5$

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

Algebra II Class Worksheet #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 → $y = mx + b$

$m = -4$ $b = 5$

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

oblique line

Algebra II Class Worksheet #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 → $y = mx + b$

$m = -4 \quad b = 5$

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

oblique line → $y = mx + b$

Algebra II Class Worksheet #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 → $y = mx + b$

$m = -4 \quad b = 5$

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

oblique line → $y = mx + b$

$m = 3/4$

Algebra II Class Worksheet #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 → $y = mx + b$

$m = -4 \quad b = 5$

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

oblique line → $y = mx + b$

$m = 3/4$

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

Algebra II Class Worksheet #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.

Algebra II Class Worksheet #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 → $y = mx + b$

$m = -4$ $b = 5$

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

oblique line → $y = mx + b$

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

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

Algebra II Class Worksheet #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 → $y = mx + b$

$m = -4 \quad b = 5$

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

oblique line → $y = mx + b$

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

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

Algebra II Class Worksheet #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).** $y = \frac{3}{4}x$

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

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

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

Algebra II Class Worksheet #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). $y = \frac{3}{4}x - 1$

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

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

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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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.

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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.

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

$m = -2/5$

Algebra II Class Worksheet #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.

Algebra II Class Worksheet #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.

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

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

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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

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

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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

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

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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

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

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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

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

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

Algebra II Class Worksheet #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 ⟶ y = mx + b **m = -3/4**

Algebra II Class Worksheet #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 ⟶ y = mx + b **m = -3/4** **b = ?**

Algebra II Class Worksheet #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 ⟶ y = mx + b m = -3/4 b = ?

We are not given the y-intercept.

Algebra II Class Worksheet #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 ⟶ y = mx + b m = -3/4 b = ?

We are not given the y-intercept.

We will use the point-slope equation.

Algebra II Class Worksheet #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.

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

Algebra II Class Worksheet #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.

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

Algebra II Class Worksheet #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 = -8, y_1 = 1)

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

We are not given the y-intercept.

We will use the point-slope equation.

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

Algebra II Class Worksheet #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

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

We are not given the y-intercept.

We will use the point-slope equation.

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

$$y - 1$$

Algebra II Class Worksheet #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 → -8, y_1 → 1)

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

We are not given the y-intercept.

We will use the point-slope equation.

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

$$y - 1 =$$

Algebra II Class Worksheet #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

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

We are not given the y-intercept.

We will use the point-slope equation.

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

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

Algebra II Class Worksheet #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

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

We are not given the y-intercept.

We will use the point-slope equation.

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

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

Algebra II Class Worksheet #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

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

We are not given the y-intercept.

We will use the point-slope equation.

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

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

Algebra II Class Worksheet #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

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

We are not given the y-intercept.

We will use the point-slope equation.

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

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

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

Algebra II Class Worksheet #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

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

We are not given the y-intercept.

We will use the point-slope equation.

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

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

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

$$y - 1 =$$

Algebra II Class Worksheet #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

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

We are not given the y-intercept.

We will use the point-slope equation.

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

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

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

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

Algebra II Class Worksheet #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

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

We are not given the y-intercept.

We will use the point-slope equation.

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

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

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

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

Algebra II Class Worksheet #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

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

We are not given the y-intercept.

We will use the point-slope equation.

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

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

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

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

$$y =$$

Algebra II Class Worksheet #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 = -8, y_1 = 1)

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

We are not given the y-intercept.

We will use the point-slope equation.

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

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

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

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

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

Algebra II Class Worksheet #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

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

We are not given the y-intercept.

We will use the point-slope equation.

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

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

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

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

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

Algebra II Class Worksheet #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). $y = \frac{-3}{4}x - 5$

x_1 y_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.

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

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

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

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

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

Algebra II Class Worksheet #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.

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

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

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

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

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

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

Algebra II Class Worksheet #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 → y = mx + b m = 2/3

Algebra II Class Worksheet #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 ⟶ y = mx + b m = 2/3 b = ?

Algebra II Class Worksheet #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 ⟶ y = mx + b m = 2/3 b = ?

Use the point-slope equation.

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$ $m = 2/3$ $b = ?$

Use the point-slope equation.

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

Algebra II Class Worksheet #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 = 4, y_1 = -3)

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

Use the point-slope equation.

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

Algebra II Class Worksheet #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 = 4, y_1 = -3)

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

Use the point-slope equation.

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

$$y - -3 =$$

Algebra II Class Worksheet #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 = 4, y_1 = -3)

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

Use the point-slope equation.

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

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

Algebra II Class Worksheet #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 = 4, y_1 = -3)

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

Use the point-slope equation.

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

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

Algebra II Class Worksheet #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 = 4, y_1 = -3)

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

Use the point-slope equation.

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

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

$$y + 3 =$$

Algebra II Class Worksheet #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 = 4, y_1 = -3)

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

Use the point-slope equation.

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

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

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

Algebra II Class Worksheet #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 = 4, y_1 = -3)

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

Use the point-slope equation.

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

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

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

Algebra II Class Worksheet #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 = 4, y_1 = -3)

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

Use the point-slope equation.

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

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

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

$$y =$$

Algebra II Class Worksheet #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 = 4, y_1 = -3)

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

Use the point-slope equation.

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

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

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

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

Algebra II Class Worksheet #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 = 4, y_1 = -3)

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

Use the point-slope equation.

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

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

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

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

Algebra II Class Worksheet #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). $y = \frac{2}{3}x - \frac{17}{3}$

x_1 y_1

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

Use the point-slope equation.

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

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

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

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

Algebra II Class Worksheet #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.

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

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

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

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

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____


Algebra II Class Worksheet #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

Algebra II Class Worksheet #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

Algebra II Class Worksheet #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

Algebra II Class Worksheet #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 $\longrightarrow$ $x = k$

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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.

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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.

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

$m = 1/2$

Algebra II Class Worksheet #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 = ?

Algebra II Class Worksheet #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.

Algebra II Class Worksheet #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.

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

Algebra II Class Worksheet #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.

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

Algebra II Class Worksheet #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.

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

$$y - 0 =$$

Algebra II Class Worksheet #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.

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

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

Algebra II Class Worksheet #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.

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

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

Algebra II Class Worksheet #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.

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

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

$$y =$$

Algebra II Class Worksheet #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.

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

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

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

Algebra II Class Worksheet #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.

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

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

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

Algebra II Class Worksheet #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.

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

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

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

Algebra II Class Worksheet #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.

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

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

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

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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.

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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.

Algebra II Class Worksheet #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). _____

Algebra II Class Worksheet #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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

Algebra II Class Worksheet #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 $\longrightarrow$ $y = mx + b$

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

$m = -2/5$

Algebra II Class Worksheet #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

b = ?

Algebra II Class Worksheet #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 **b = ?**

Use the point-slope equation.

Algebra II Class Worksheet #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 **b = ?**

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

Algebra II Class Worksheet #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

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

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

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

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

Algebra II Class Worksheet #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

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

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

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

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

$y - 1 =$

Algebra II Class Worksheet #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

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

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

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

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

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

Algebra II Class Worksheet #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

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

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

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

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

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

Algebra II Class Worksheet #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

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

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

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

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

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

Algebra II Class Worksheet #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

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

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

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

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

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

$$y - 1 =$$

Algebra II Class Worksheet #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

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

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

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

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

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

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

Algebra II Class Worksheet #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

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

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

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

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

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

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

Algebra II Class Worksheet #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

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

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

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

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

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

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

$$y =$$

Algebra II Class Worksheet #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

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

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

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

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

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

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

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

Algebra II Class Worksheet #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

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

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

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

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

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

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

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

Algebra II Class Worksheet #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). $y = \frac{-2}{5}x + \frac{1}{5}$

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

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

$m = -2/5$

$b = ?$

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

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

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

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

Algebra II Class Worksheet #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). $y = \frac{-2}{5}x + \frac{1}{5}$

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

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

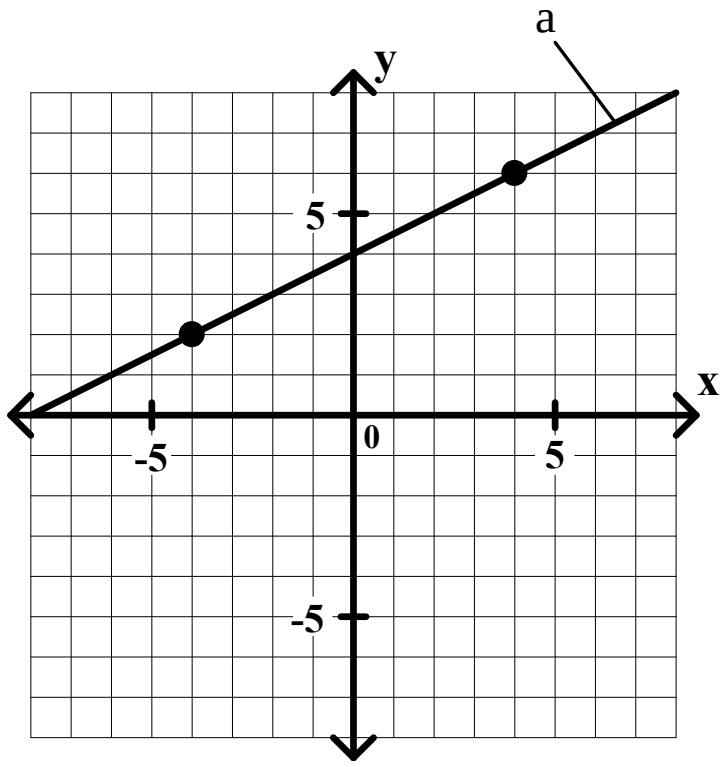
$$y - 1 = \frac{-2}{5}x - \frac{4}{5}$$

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

Algebra II Class Worksheet #2 Unit 2

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

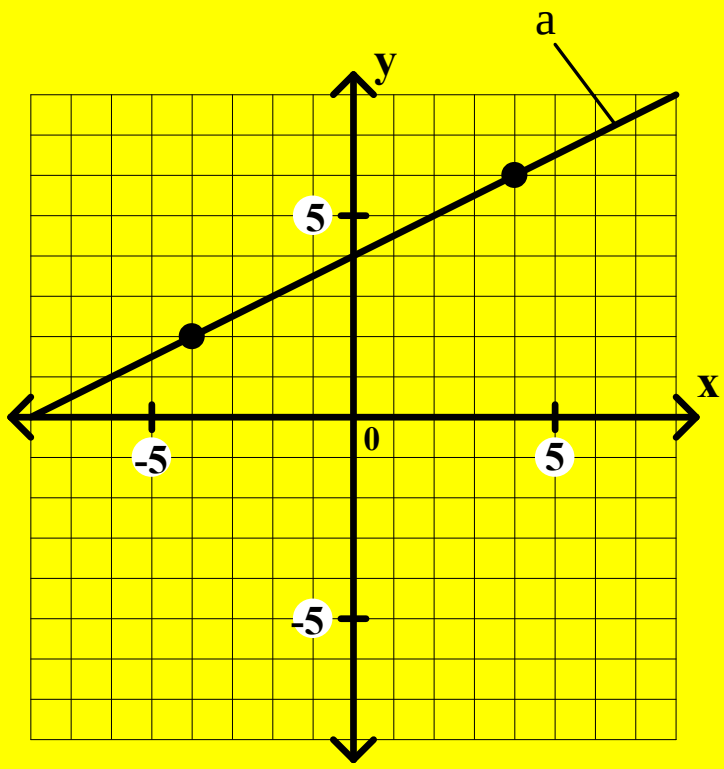
13. Line a: _____



Algebra II Class Worksheet #2 Unit 2

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

13. Line a: _____

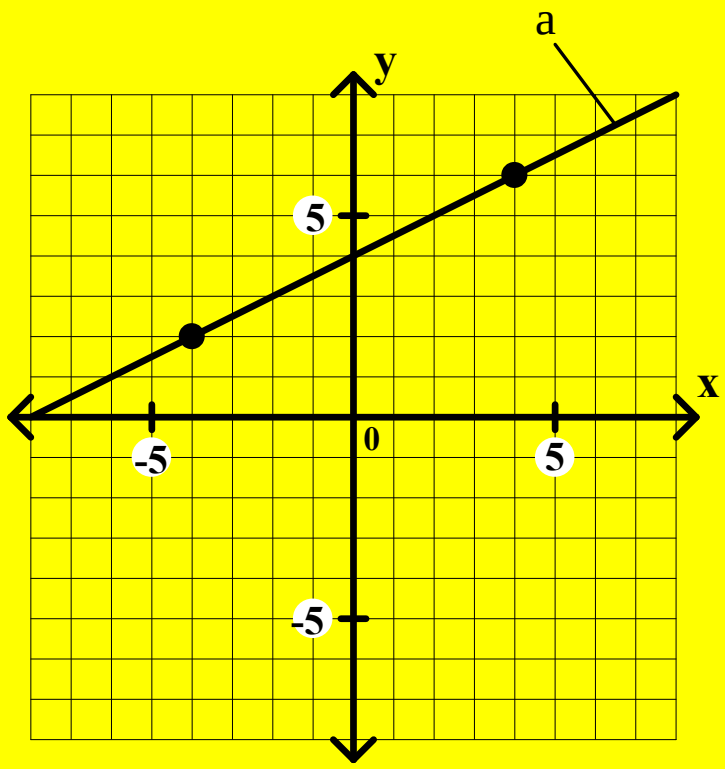


Algebra II Class Worksheet #2 Unit 2

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

13. Line a: _____

oblique line

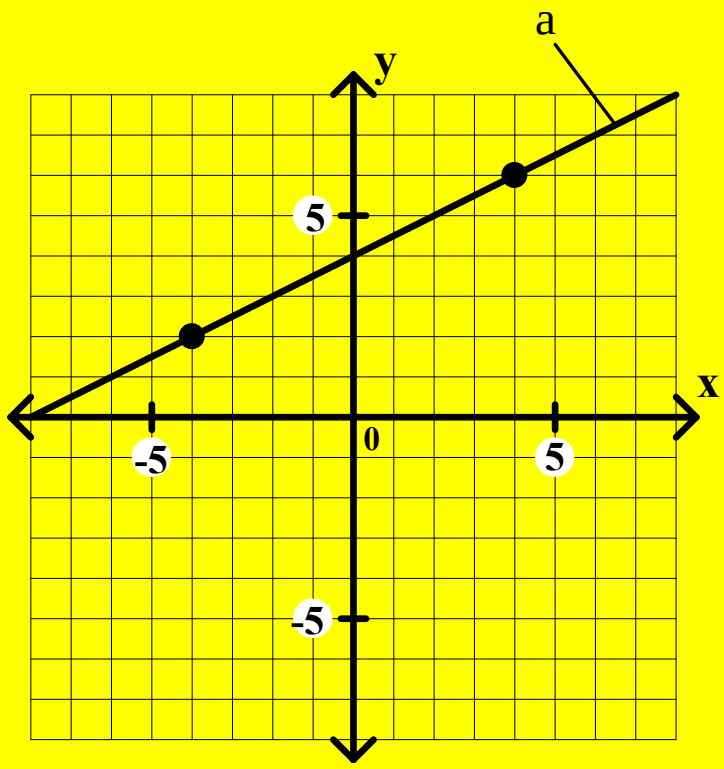


Algebra II Class Worksheet #2 Unit 2

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

13. Line a: _____

oblique line → y = mx + b



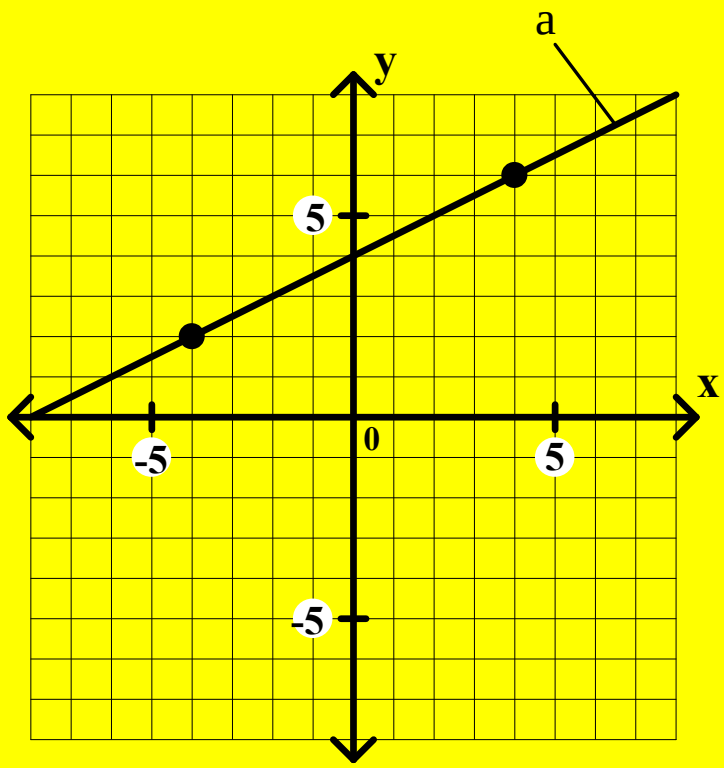
Algebra II Class Worksheet #2 Unit 2

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)



Algebra II Class Worksheet #2 Unit 2

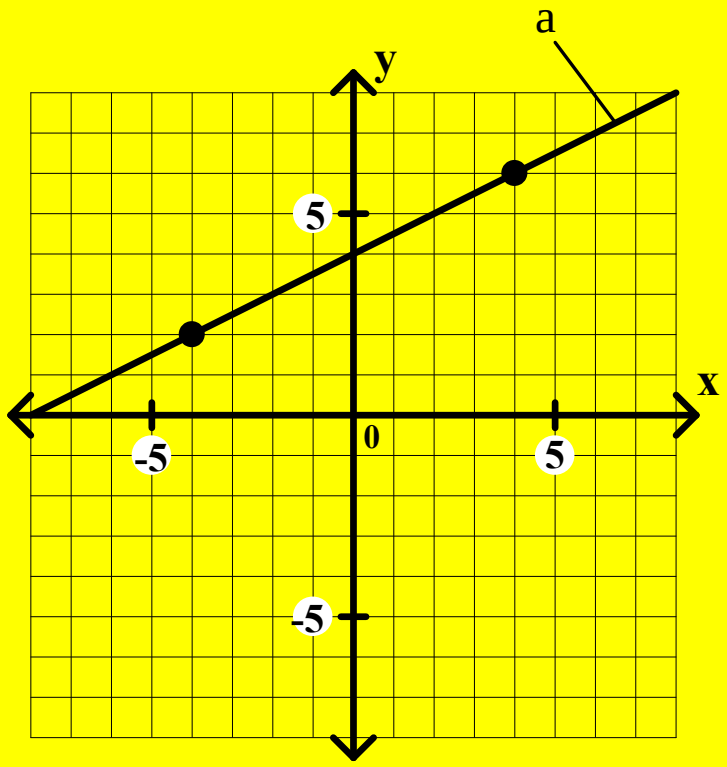
Write the equation of each line described.
If the line is oblique, use slope-intercept form.

13. Line a: _____

oblique line ⟶ $y = mx + b$

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

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



Algebra II Class Worksheet #2 Unit 2

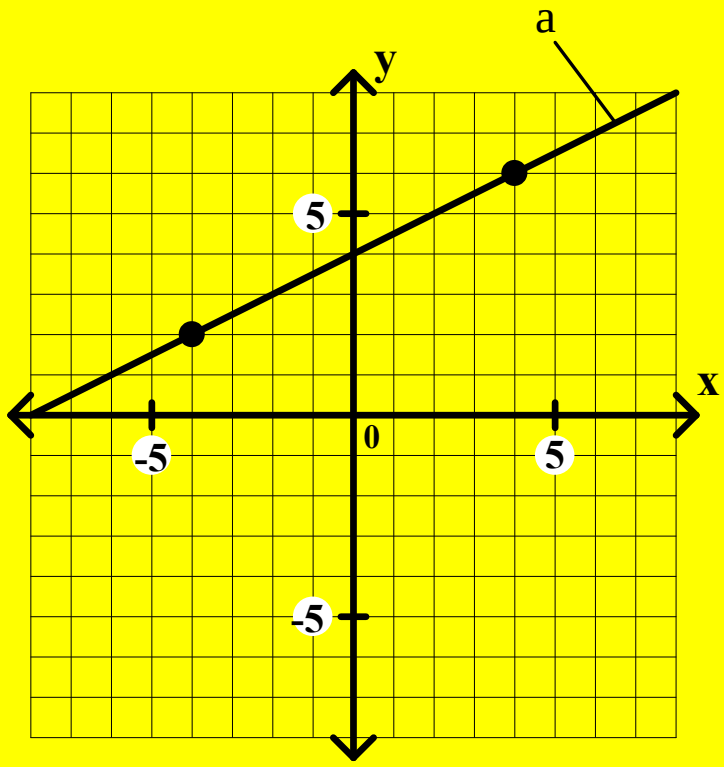
Write the equation of each line described.
If the line is oblique, use slope-intercept form.

13. Line a: _____

oblique line ⟶ $y = mx + b$

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

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



Algebra II Class Worksheet #2 Unit 2

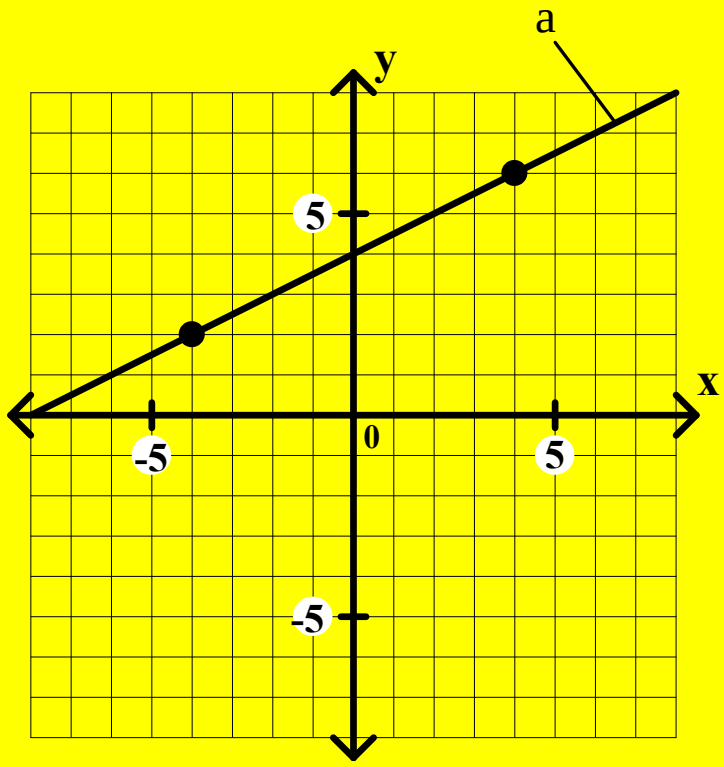
Write the equation of each line described.
If the line is oblique, use slope-intercept form.

13. Line a: _____

oblique line ⟶ $y = mx + b$

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

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



Algebra II Class Worksheet #2 Unit 2

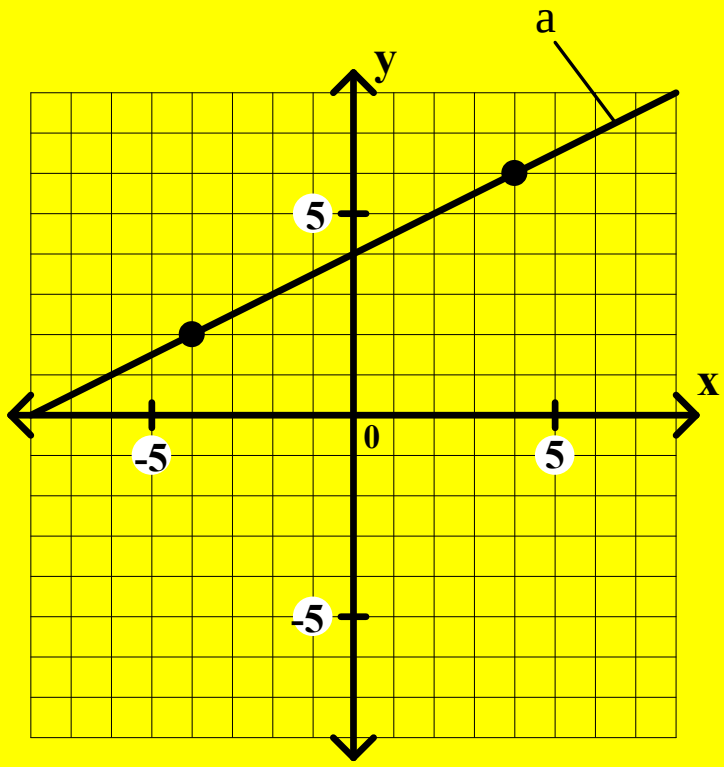
Write the equation of each line described.
If the line is oblique, use slope-intercept form.

13. Line a: _____

oblique line ⟶ $y = mx + b$

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

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



Algebra II Class Worksheet #2 Unit 2

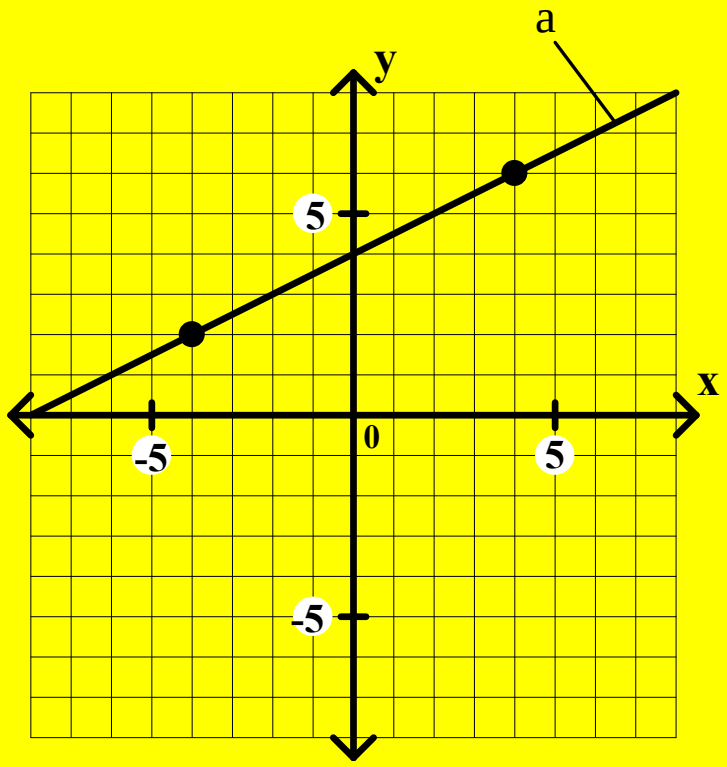
Write the equation of each line described.
If the line is oblique, use slope-intercept form.

13. Line a: _____

oblique line ⟶ $y = mx + b$

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

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



Algebra II Class Worksheet #2 Unit 2

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

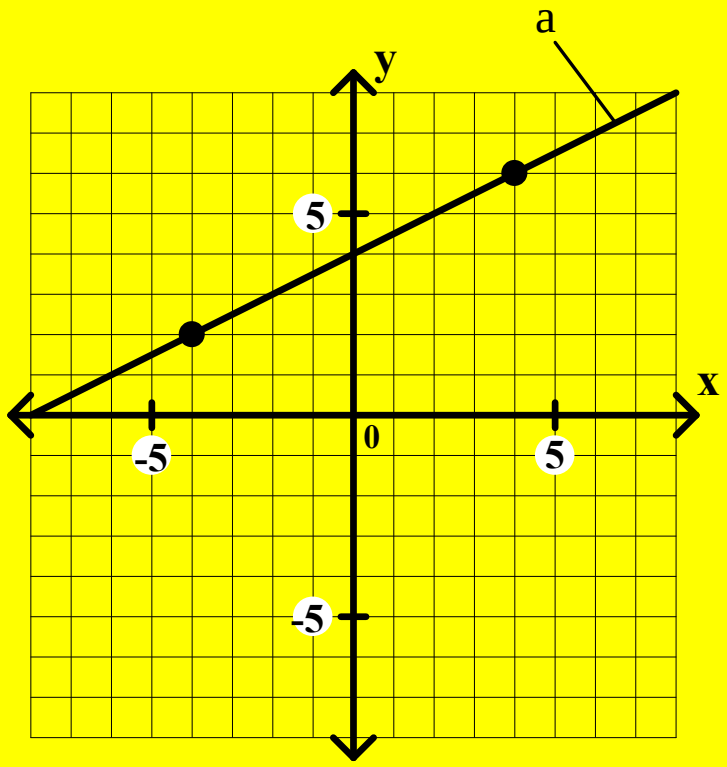
13. Line a: _____

oblique line → y = mx + b

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

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

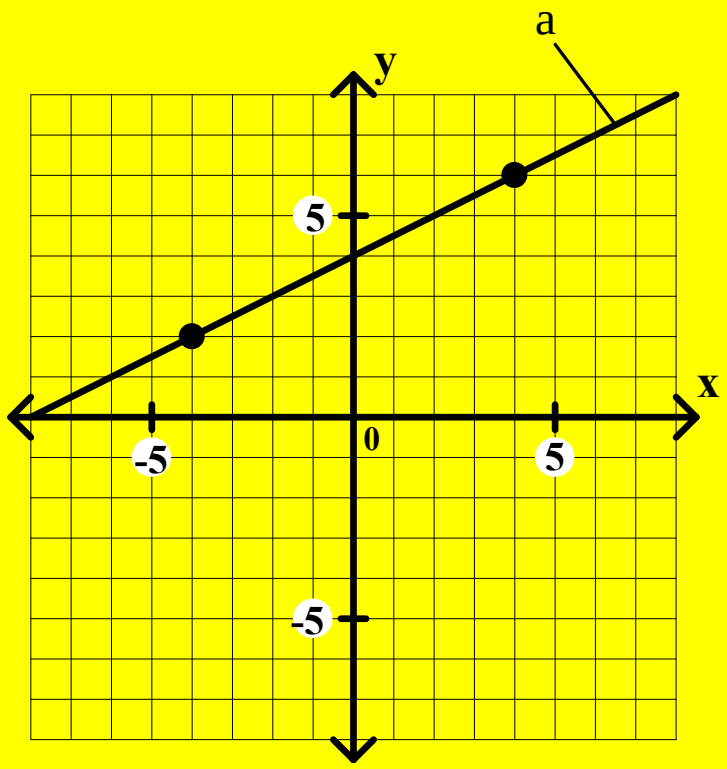
m = 1/2



Algebra II Class Worksheet #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)

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

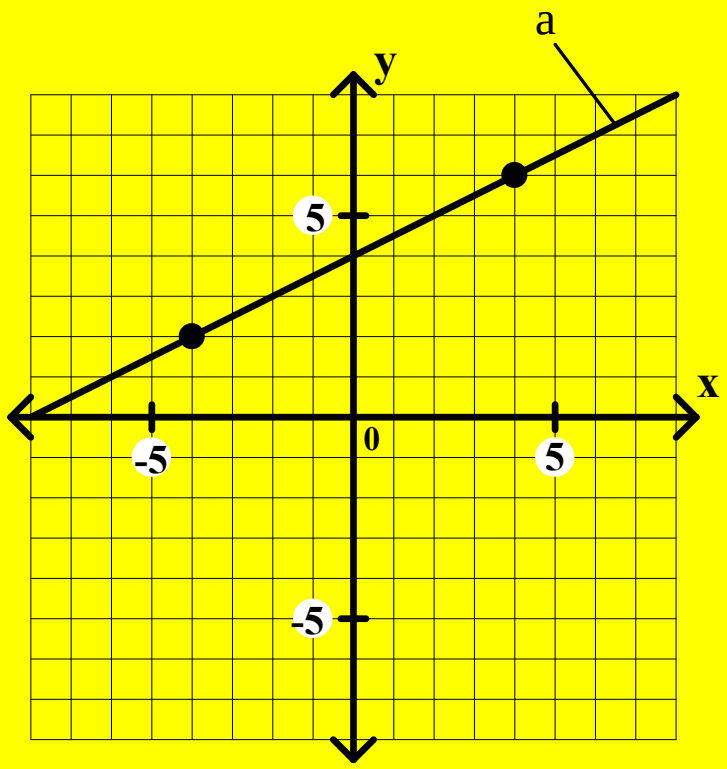
m = 1/2

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

Algebra II Class Worksheet #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)

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

$m = 1/2$

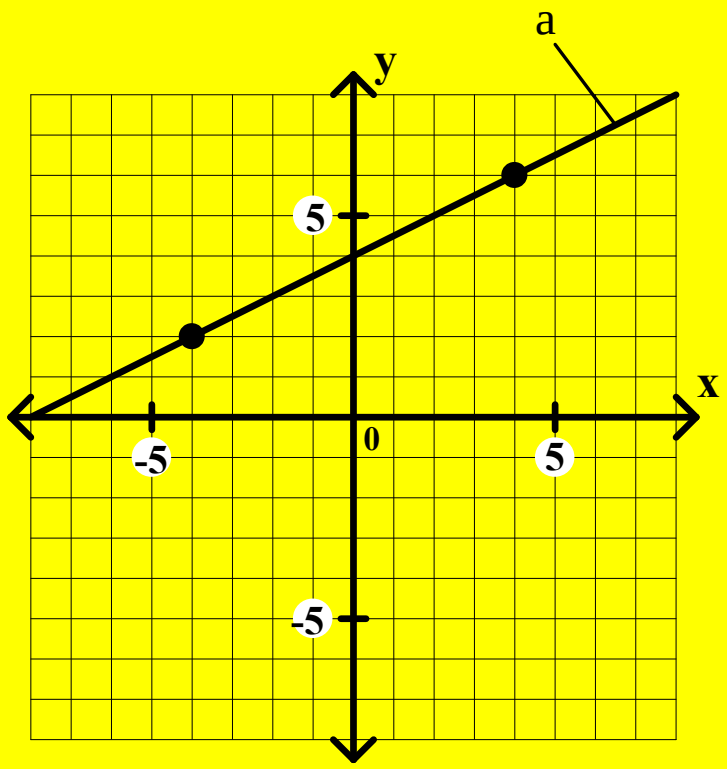
$$y - y_1 = m(x - x_1)$$

$$y - 2 =$$

Algebra II Class Worksheet #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)

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

$m = 1/2$

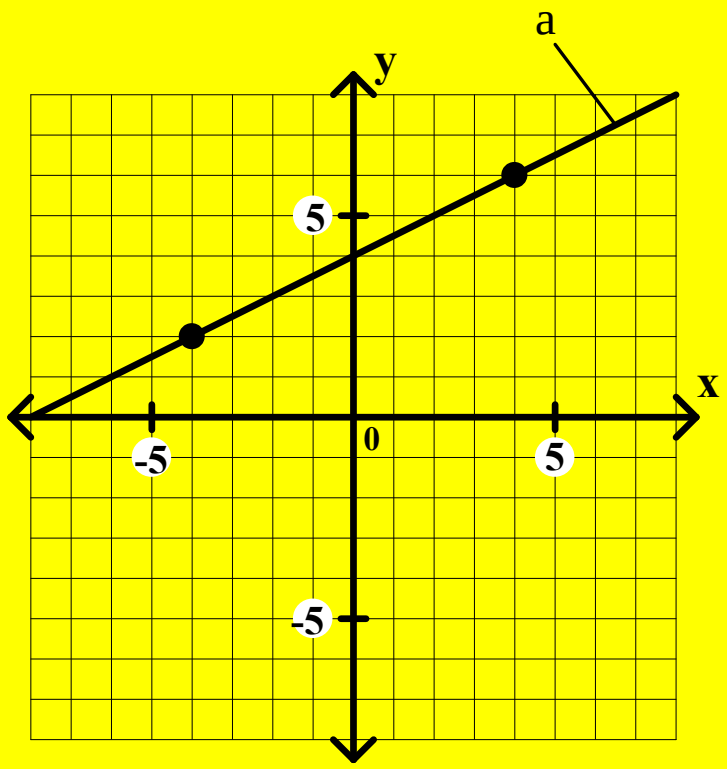
$y - y_1 = m(x - x_1)$

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

Algebra II Class Worksheet #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)

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

$m = 1/2$

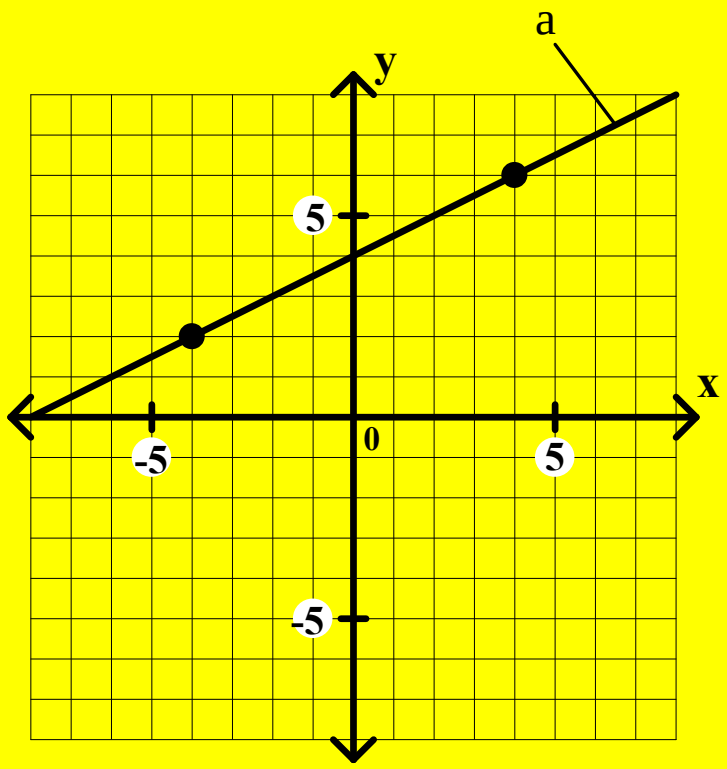
$$y - y_1 = m(x - x_1)$$

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

Algebra II Class Worksheet #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)

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

m = 1/2

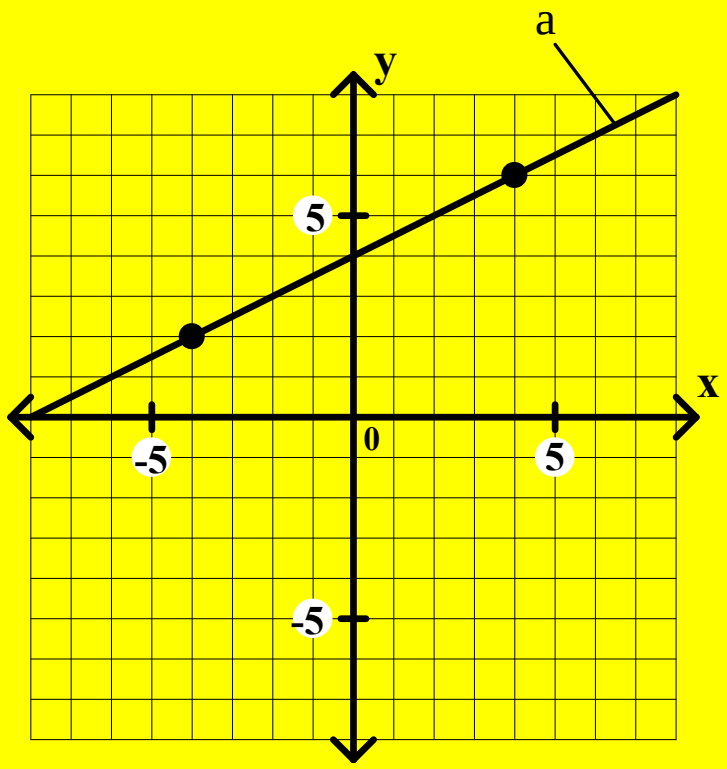
$$y - y_1 = m(x - x_1)$$

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

Algebra II Class Worksheet #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)

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

$m = 1/2$

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

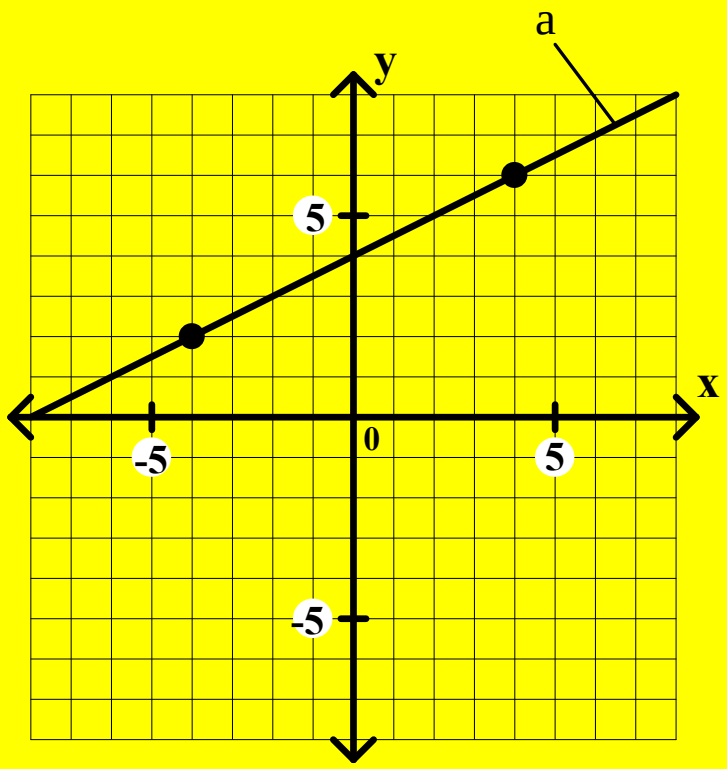
$$y - 2 = \frac{1}{2}(x + 4)$$

$$y - 2 =$$

Algebra II Class Worksheet #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)

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

$m = 1/2$

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

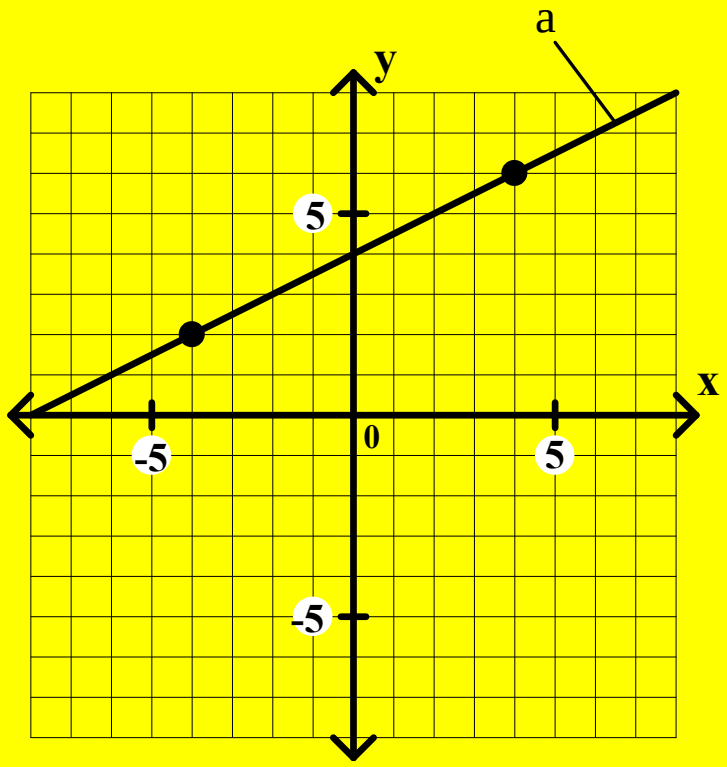
$$y - 2 = \frac{1}{2}(x + 4)$$

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

Algebra II Class Worksheet #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)

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

$m = 1/2$

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

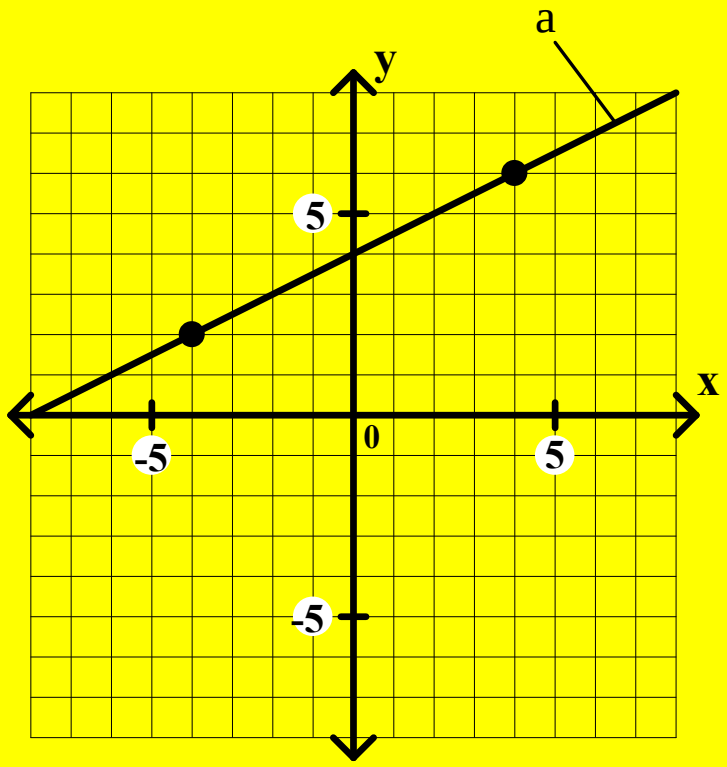
$$y - 2 = \frac{1}{2}(x + 4)$$

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

Algebra II Class Worksheet #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)

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

$m = 1/2$

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

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

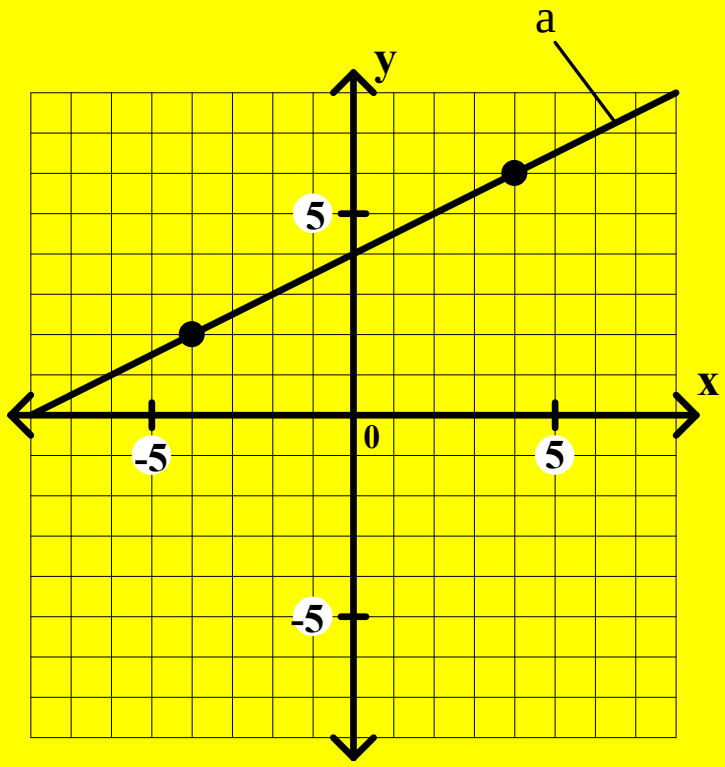
$$y - 2 = \frac{1}{2}x + 2$$

$$y =$$

Algebra II Class Worksheet #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)

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

$m = 1/2$

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

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

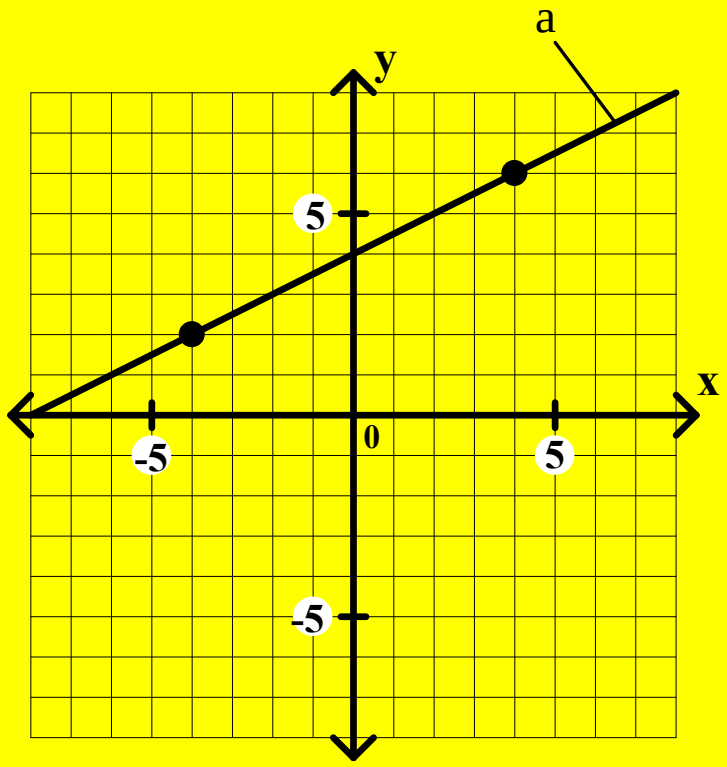
$$y - 2 = \frac{1}{2}x + 2$$

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

Algebra II Class Worksheet #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)

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

$m = 1/2$

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

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

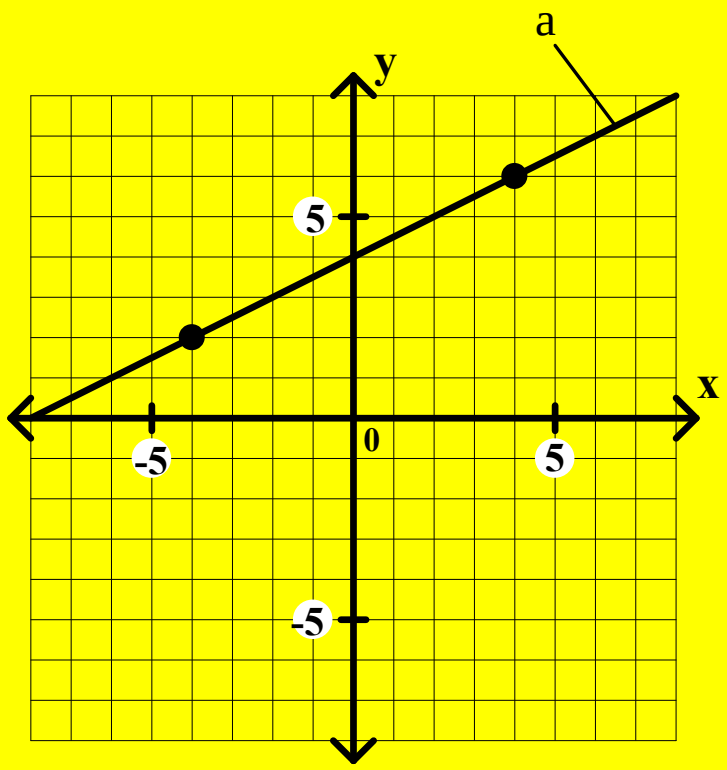
$$y - 2 = \frac{1}{2}x + 2$$

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

Algebra II Class Worksheet #2 Unit 2

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

13. Line a: $y = \frac{1}{2}x + 4$



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

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

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

$m = 1/2$

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

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

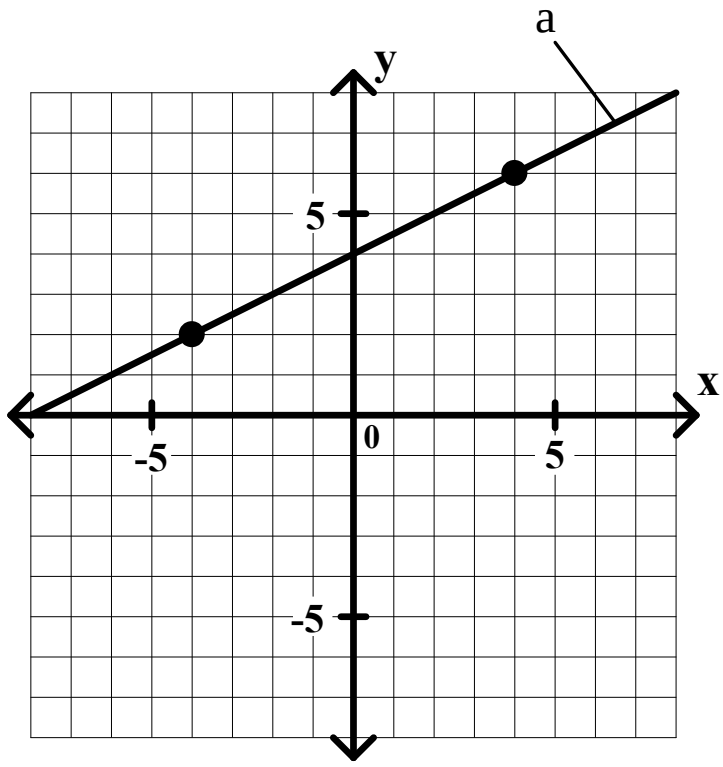
$$y - 2 = \frac{1}{2}x + 2$$

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

Algebra II Class Worksheet #2 Unit 2

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

13. Line a: $y = \frac{1}{2}x + 4$



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

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

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{6 - 2}{4 - -4} \qquad m = 1/2$$

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

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

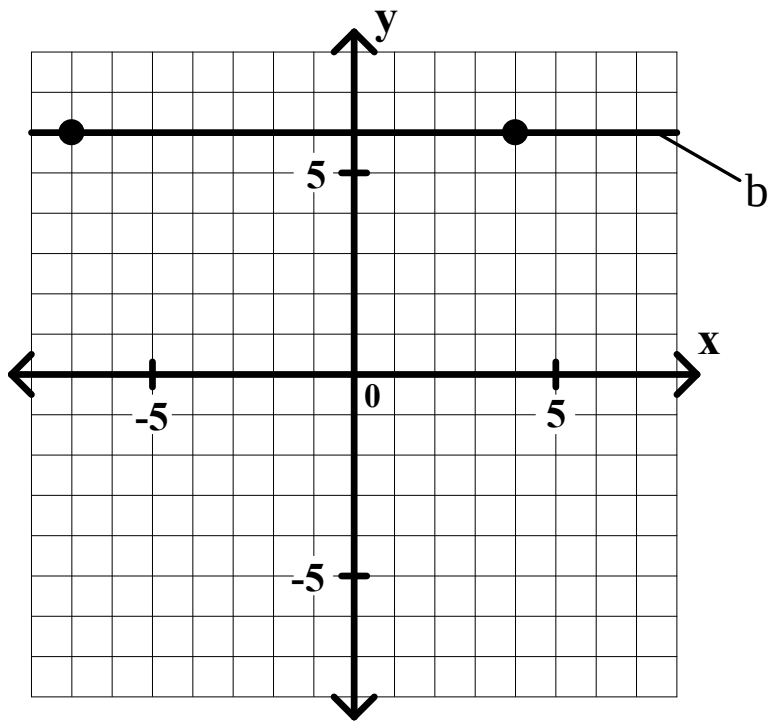
$$y - 2 = \frac{1}{2}x + 2$$

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

Algebra II Class Worksheet #2 Unit 2

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

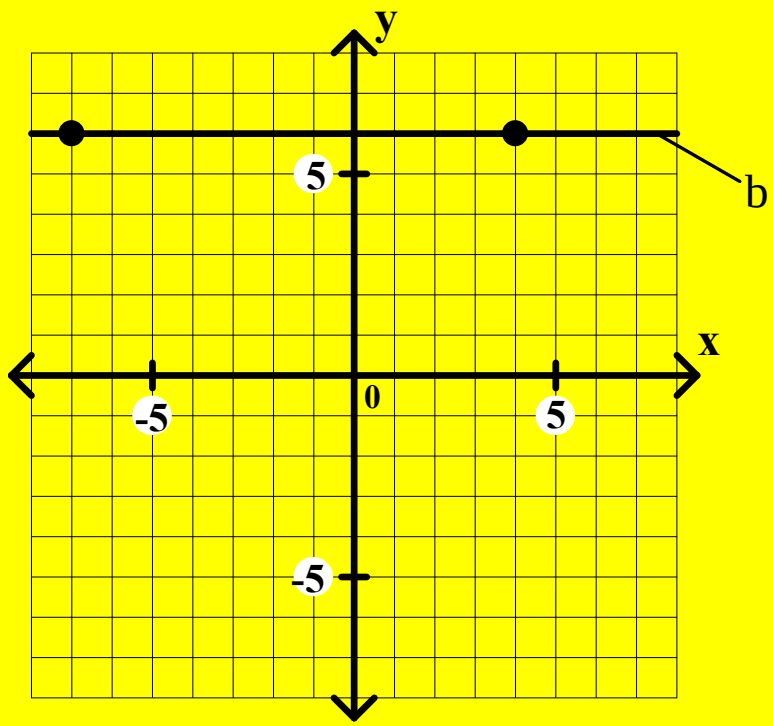
14. Line b: _____



Algebra II Class Worksheet #2 Unit 2

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

14. Line b: _____

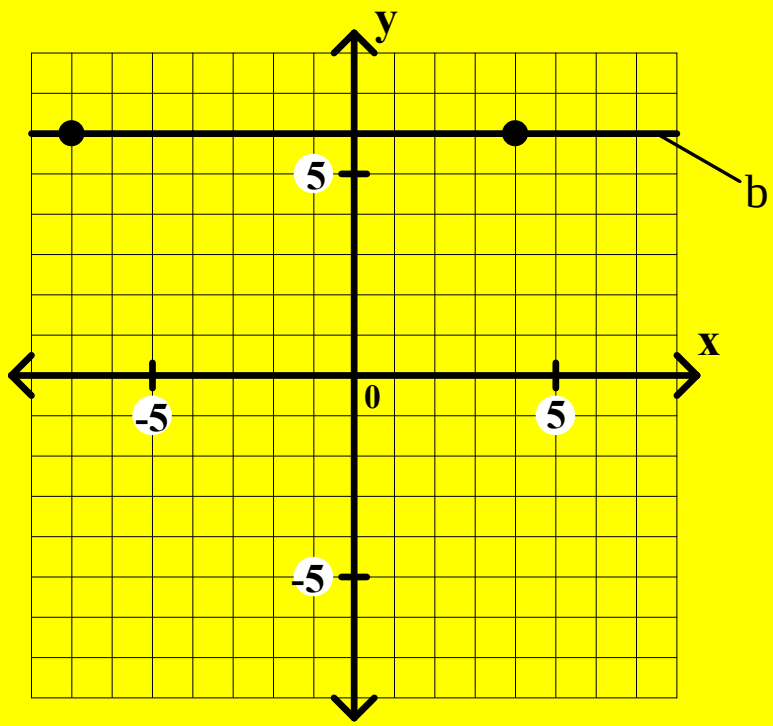


Algebra II Class Worksheet #2 Unit 2

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

14. Line b: _____

horizontal line



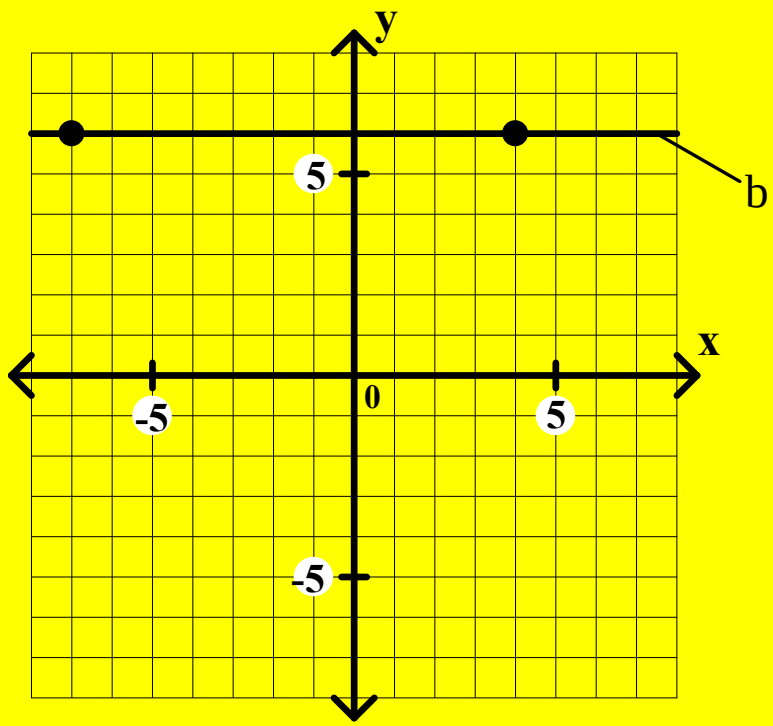
Algebra II Class Worksheet #2 Unit 2

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

14. Line b: _____

horizontal line

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



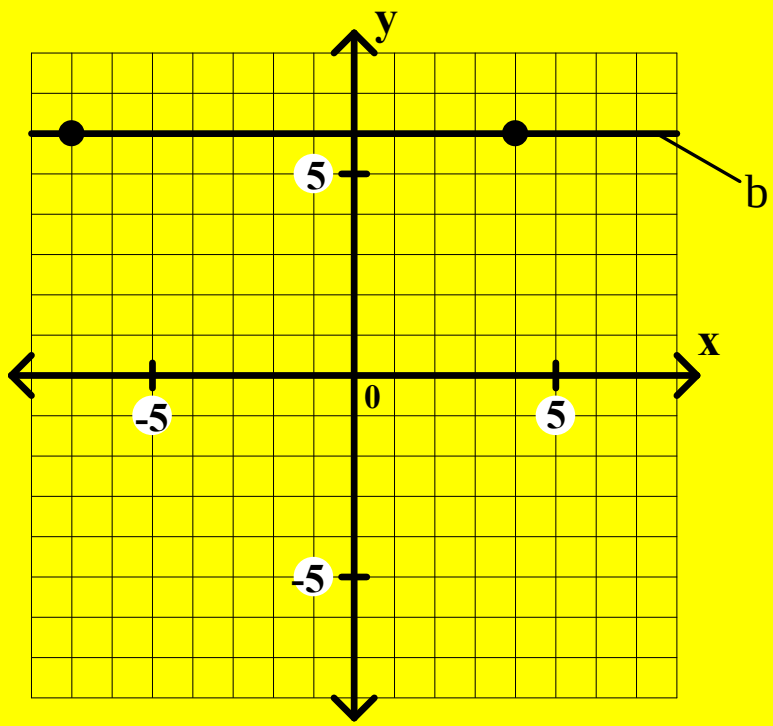
Algebra II Class Worksheet #2 Unit 2

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

14. Line b: _____

horizontal line

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



Algebra II Class Worksheet #2 Unit 2

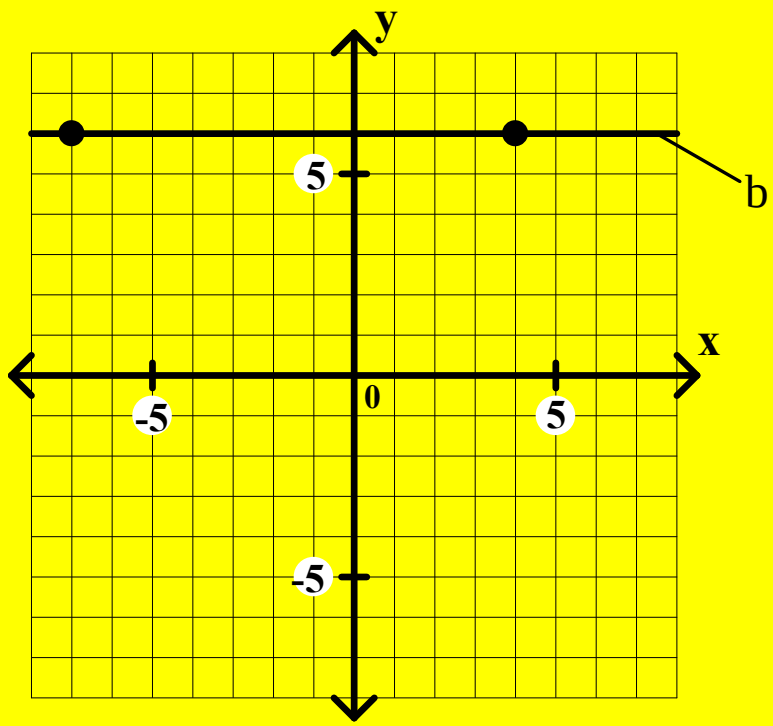
Write the equation of each line described.
If the line is oblique, use slope-intercept form.

14. Line b: _____

horizontal line

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

y = k



Algebra II Class Worksheet #2 Unit 2

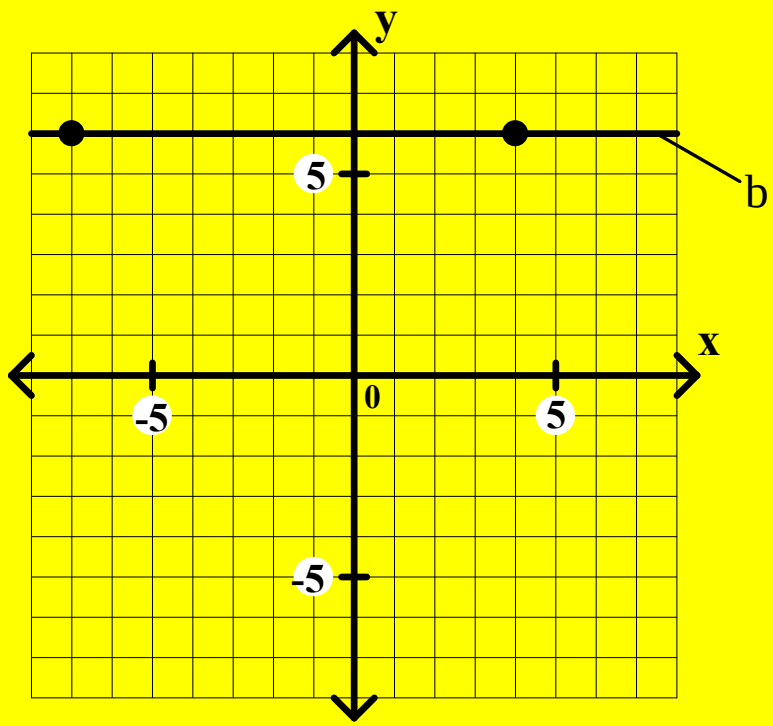
Write the equation of each line described.
If the line is oblique, use slope-intercept form.

14. Line b: _____

horizontal line

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

y = k → y = 6



Algebra II Class Worksheet #2 Unit 2

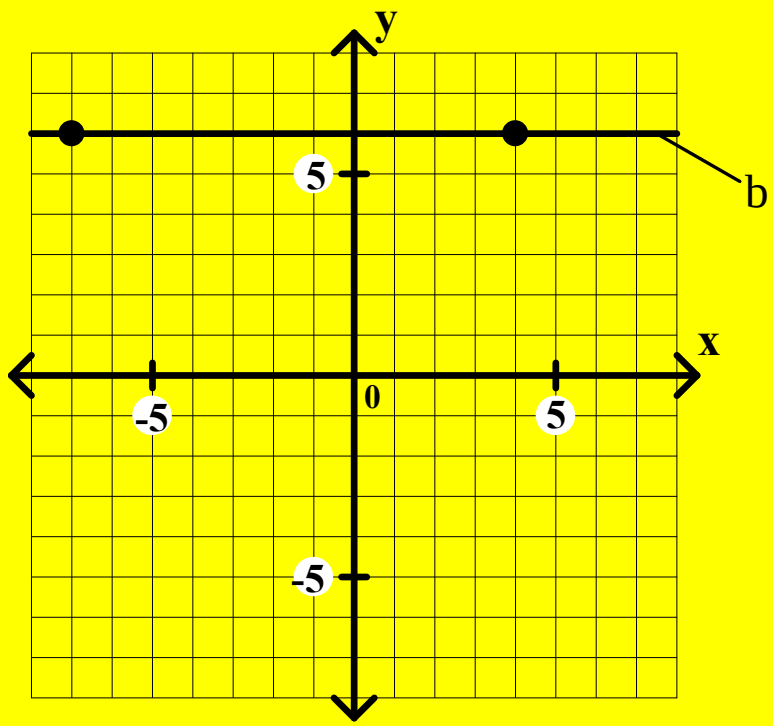
Write the equation of each line described.
If the line is oblique, use slope-intercept form.

14. Line b: $y = 6$

horizontal line

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

$y = k \longrightarrow y = 6$



Algebra II Class Worksheet #2 Unit 2

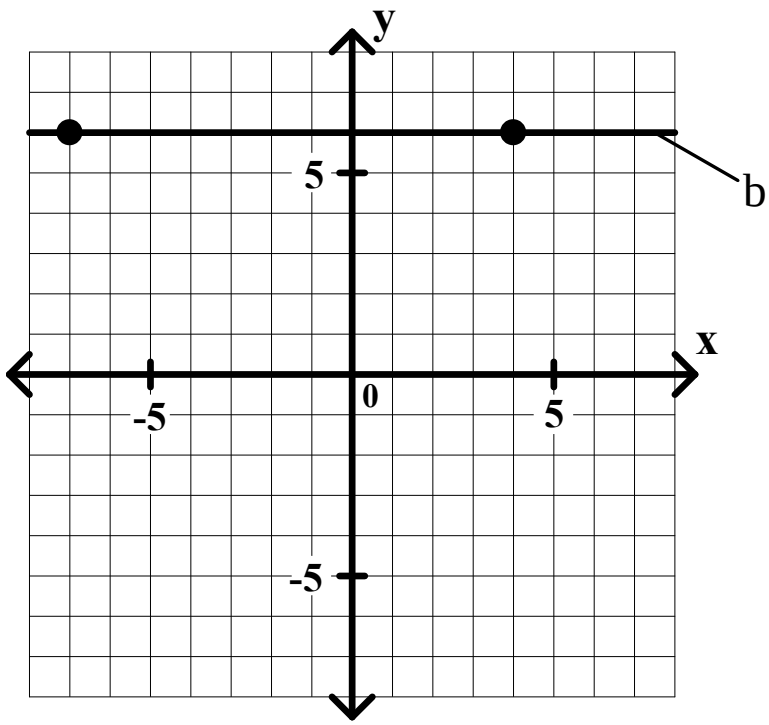
Write the equation of each line described.
If the line is oblique, use slope-intercept form.

14. Line b: $y = 6$

horizontal line

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

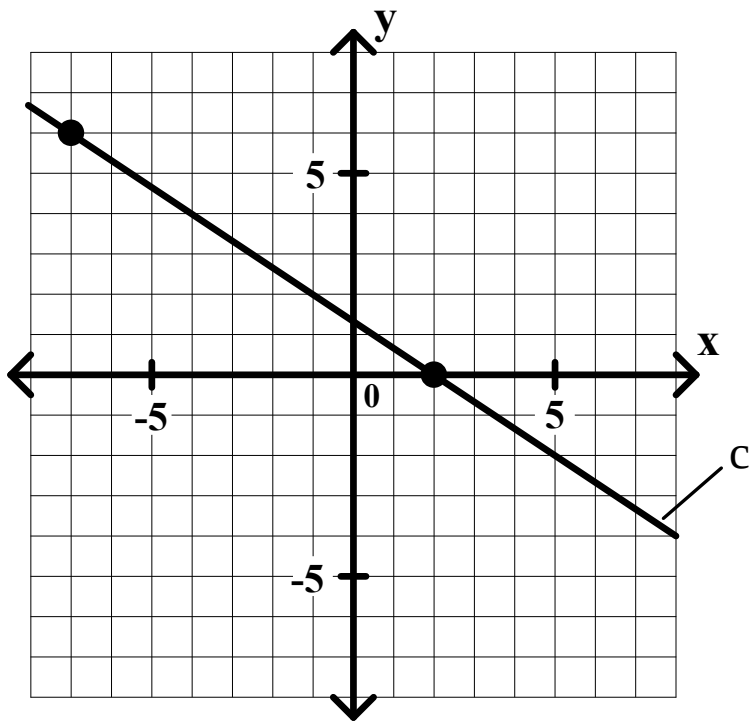
$y = k \longrightarrow y = 6$



Algebra II Class Worksheet #2 Unit 2

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

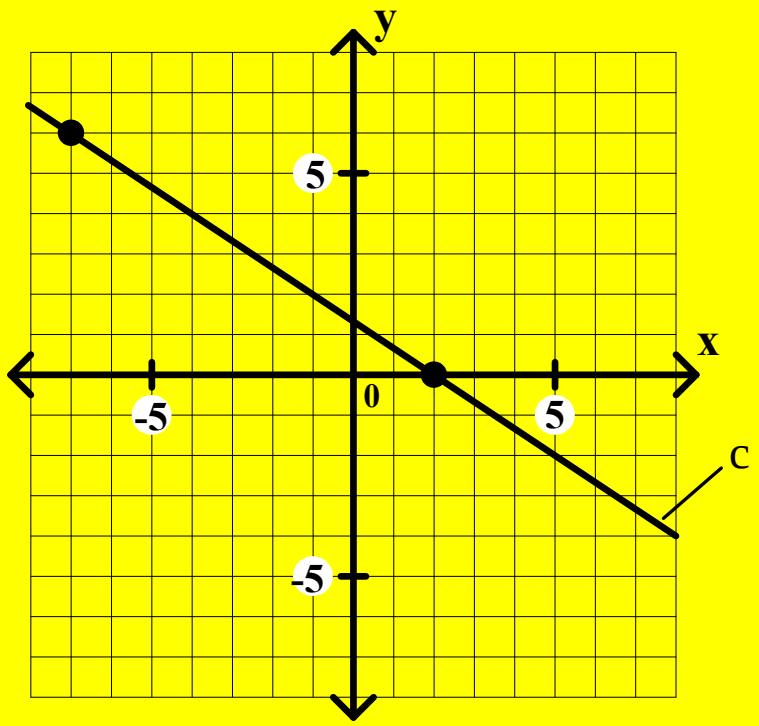
15. Line c: _____



Algebra II Class Worksheet #2 Unit 2

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

15. Line c: _____

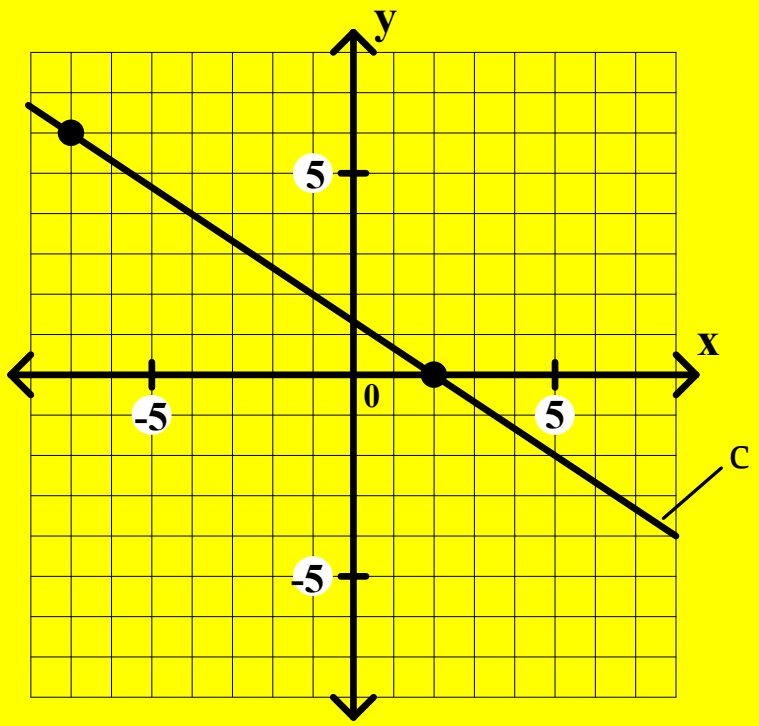


Algebra II Class Worksheet #2 Unit 2

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

15. Line c: _____

oblique line

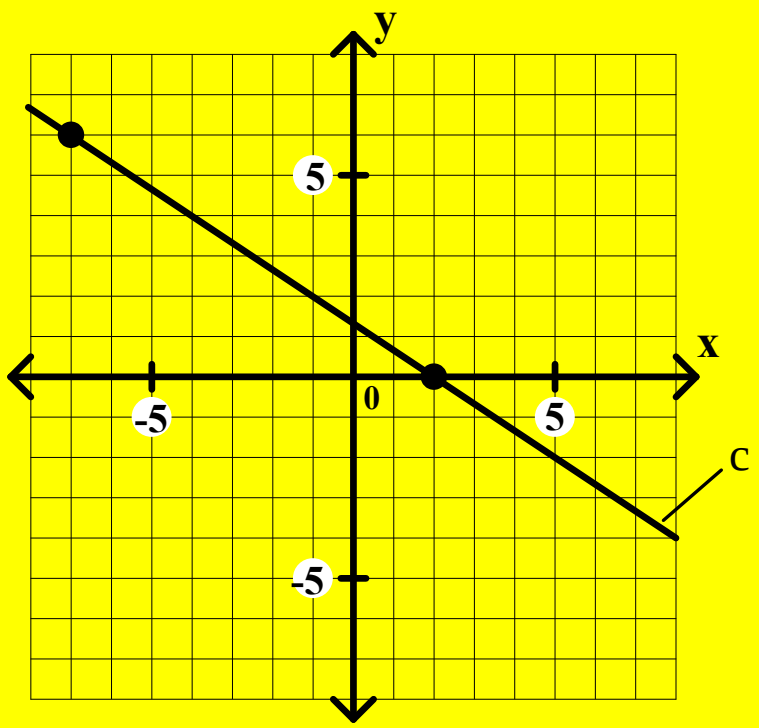


Algebra II Class Worksheet #2 Unit 2

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

15. Line c: _____

oblique line → y = mx + b



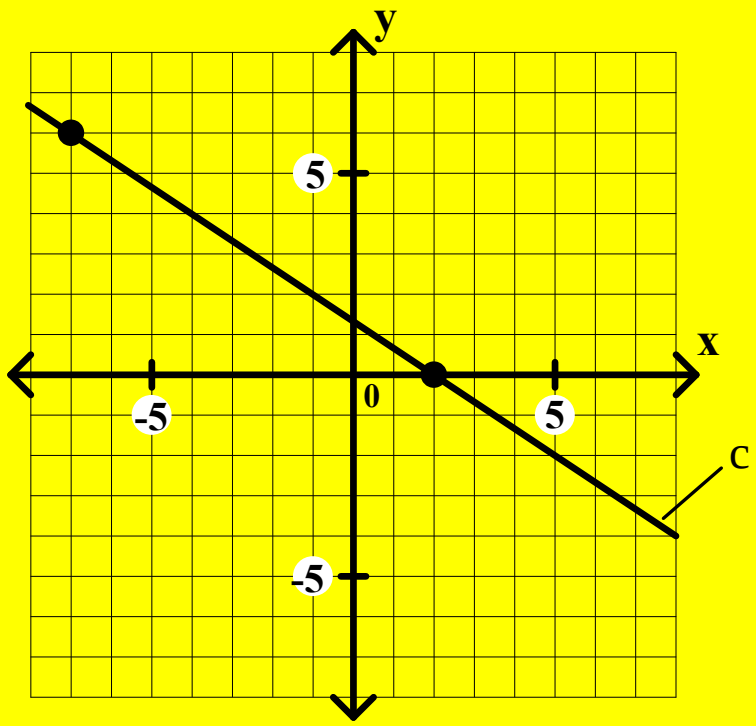
Algebra II Class Worksheet #2 Unit 2

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

15. Line c: _____

oblique line ⟶ y = mx + b

through (2, 0) and (-7, 6)



Algebra II Class Worksheet #2 Unit 2

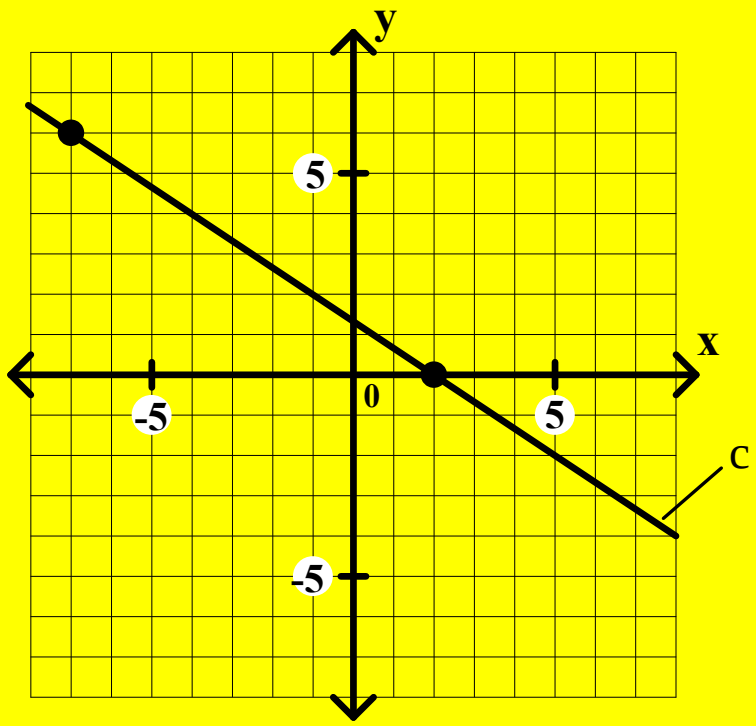
Write the equation of each line described.
If the line is oblique, use slope-intercept form.

15. Line c: _____

oblique line ⟶ $y = mx + b$

through (2, 0) and (-7, 6)

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



Algebra II Class Worksheet #2 Unit 2

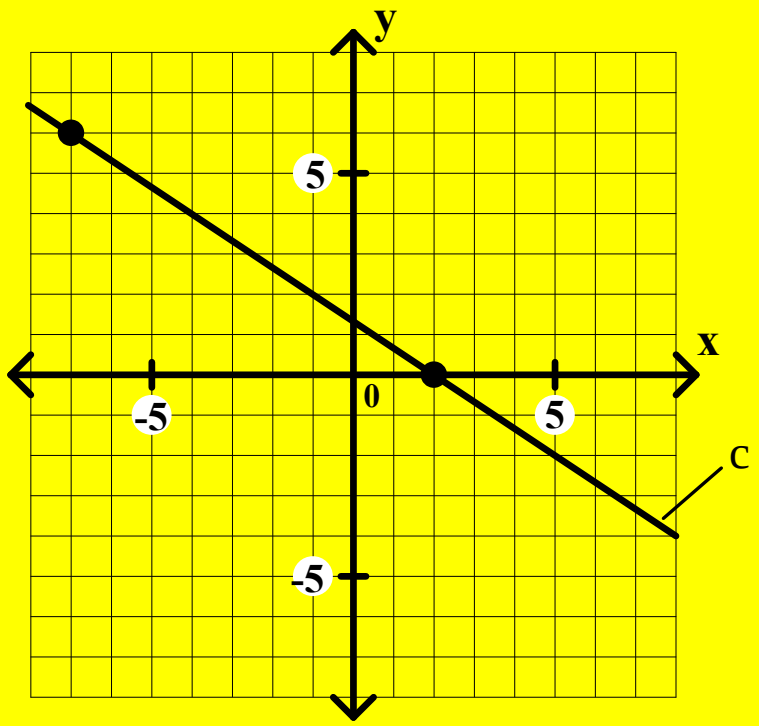
Write the equation of each line described.
If the line is oblique, use slope-intercept form.

15. Line c: _____

oblique line ⟶ $y = mx + b$

through (2, 0) and (-7, 6)

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



Algebra II Class Worksheet #2 Unit 2

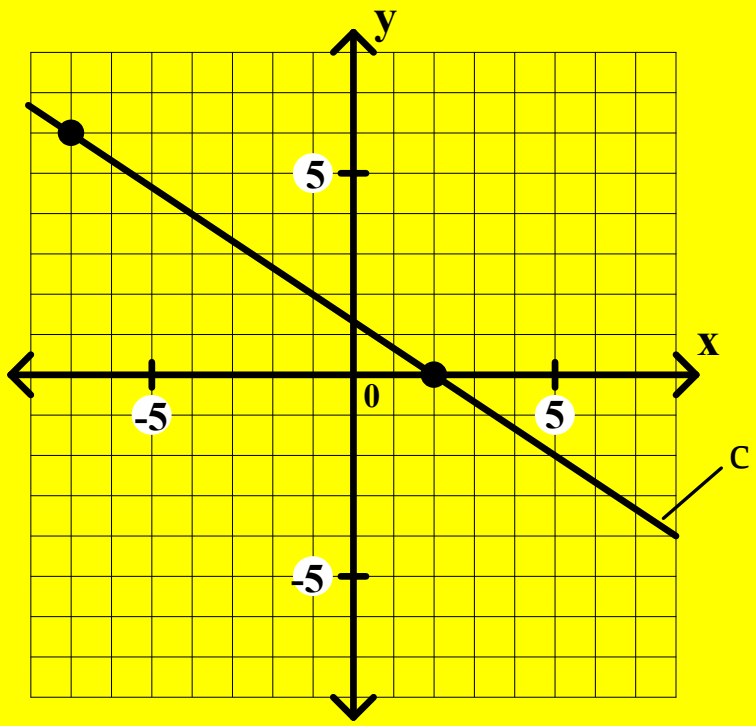
Write the equation of each line described.
If the line is oblique, use slope-intercept form.

15. Line c: _____

oblique line ⟶ $y = mx + b$

through (2, 0) and (-7, 6)

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{6 - 0}{}$$



Algebra II Class Worksheet #2 Unit 2

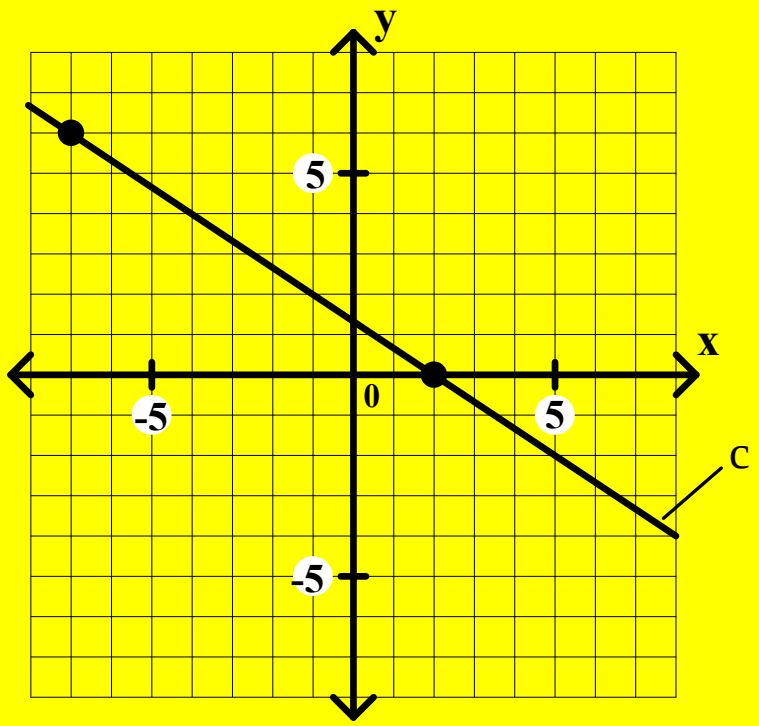
Write the equation of each line described.
If the line is oblique, use slope-intercept form.

15. Line c: _____

oblique line ⟶ $y = mx + b$

through (2, 0) and (-7, 6)

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{6 - 0}{-7}$$



Algebra II Class Worksheet #2 Unit 2

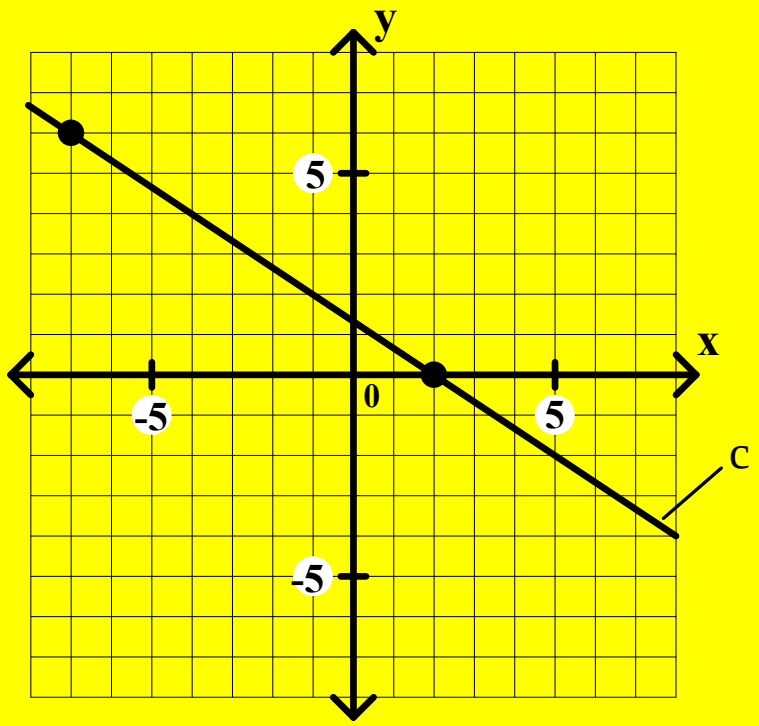
Write the equation of each line described.
If the line is oblique, use slope-intercept form.

15. Line c: _____

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

through (2, 0) and (-7, 6)

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{6 - 0}{-7 - 2}$$



Algebra II Class Worksheet #2 Unit 2

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

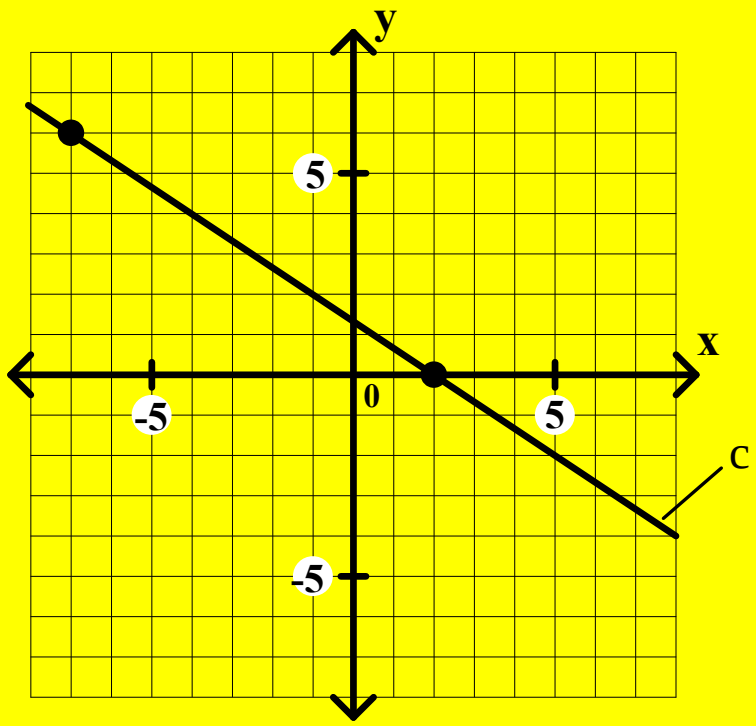
15. Line c: _____

oblique line ⟶ $y = mx + b$

through (2, 0) and (-7, 6)

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{6 - 0}{-7 - 2}$$

$m = -2/3$



Algebra II Class Worksheet #2 Unit 2

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

15. Line c: _____

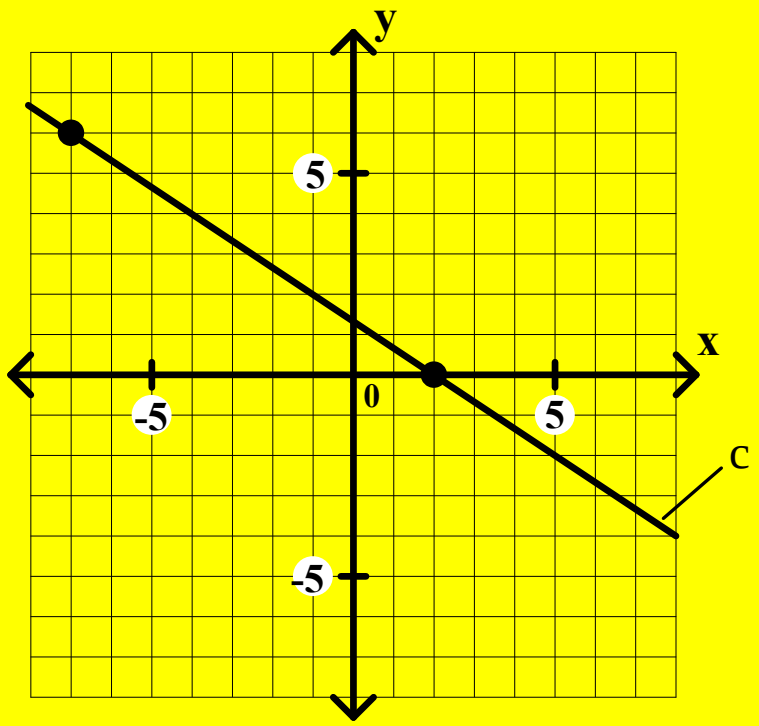
oblique line ⟶ $y = mx + b$

through (2, 0) and (-7, 6)

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{6 - 0}{-7 - 2}$$

$m = -2/3$

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



Algebra II Class Worksheet #2 Unit 2

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

15. Line c: _____

oblique line ⟶ $y = mx + b$

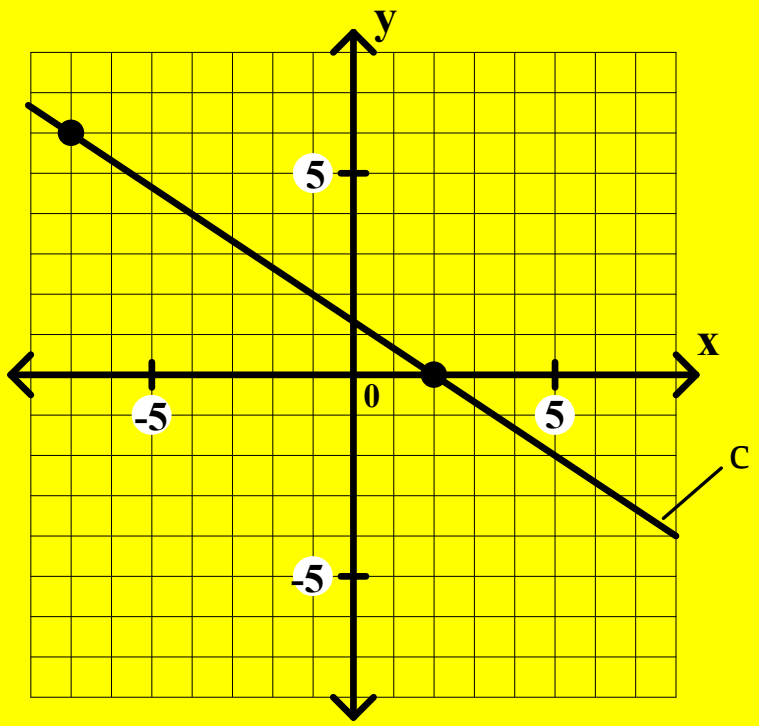
through (2, 0) and (-7, 6)

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{6 - 0}{-7 - 2}$$

$m = -2/3$

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

$$y - 0 =$$



Algebra II Class Worksheet #2 Unit 2

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

15. Line c: _____

oblique line ⟶ $y = mx + b$

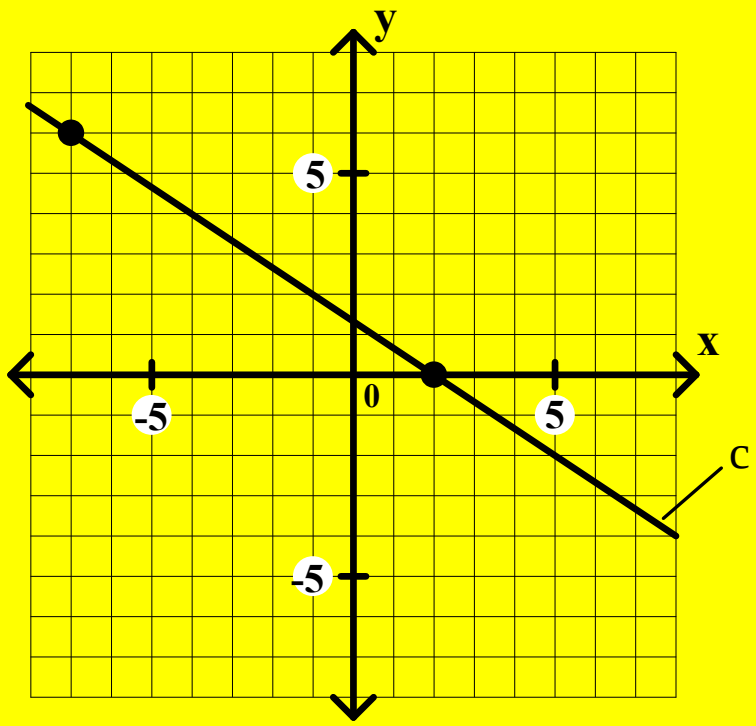
through (2, 0) and (-7, 6)

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{6 - 0}{-7 - 2}$$

m = -2/3

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

$$y - 0 = \frac{-2}{3}($$



Algebra II Class Worksheet #2 Unit 2

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

15. Line c: _____

oblique line ⟶ $y = mx + b$

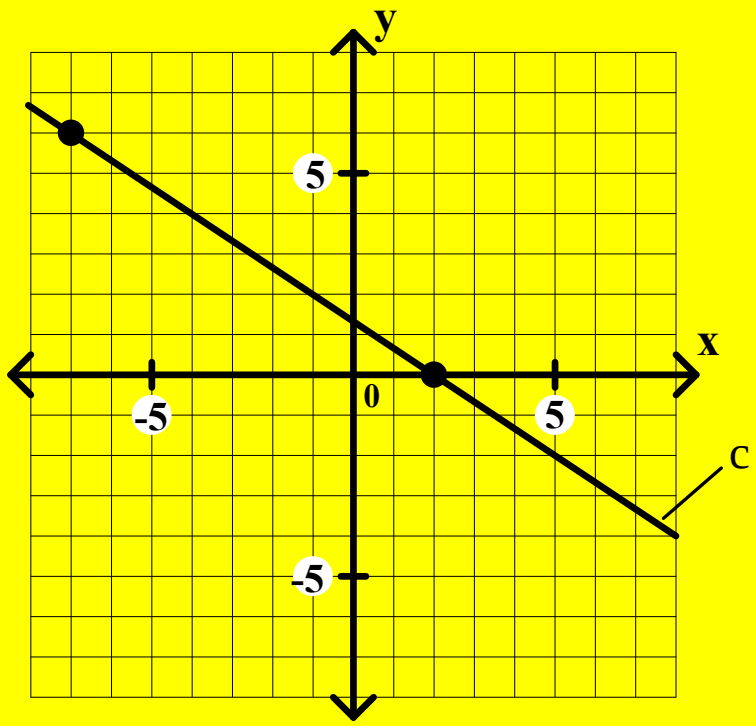
through (2, 0) and (-7, 6)

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{6 - 0}{-7 - 2}$$

$m = -2/3$

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

$$y - 0 = \frac{-2}{3}(x - 2)$$



Algebra II Class Worksheet #2 Unit 2

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

15. Line c: _____

oblique line ⟶ $y = mx + b$

through (2, 0) and (-7, 6)

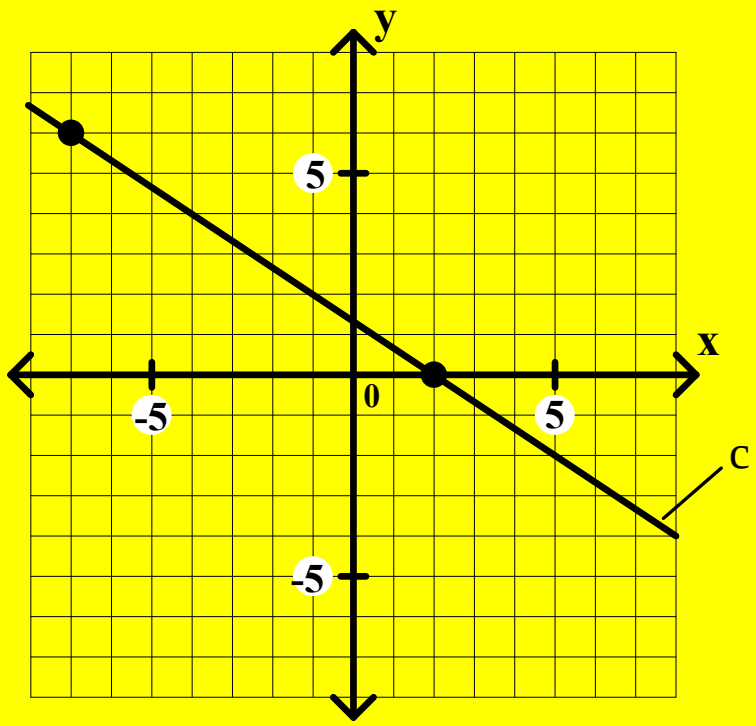
$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{6 - 0}{-7 - 2}$$

$m = -2/3$

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

$$y - 0 = \frac{-2}{3}(x - 2)$$

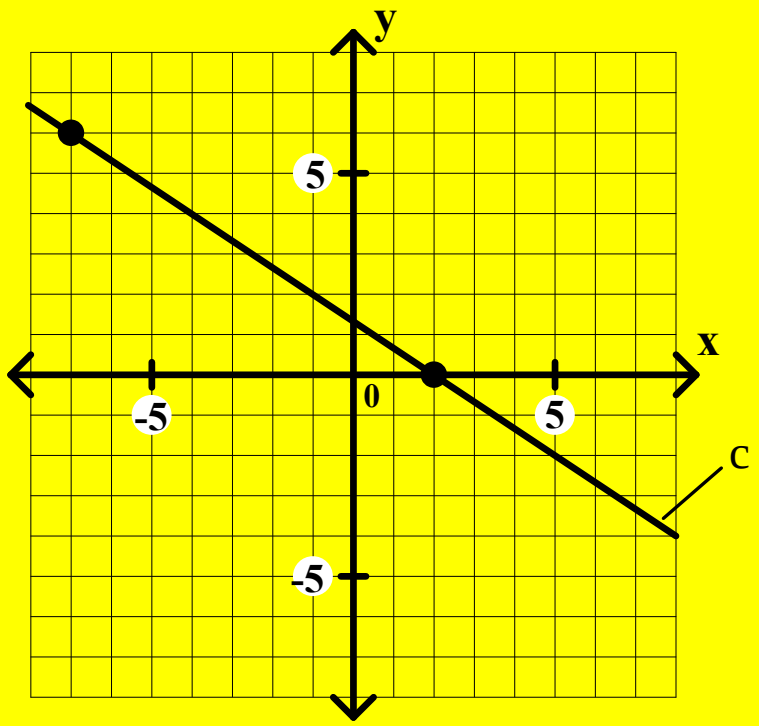
$$y =$$



Algebra II Class Worksheet #2 Unit 2

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

15. Line c: _____



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

through (2, 0) and (-7, 6)

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{6 - 0}{-7 - 2}$$

$m = -2/3$

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

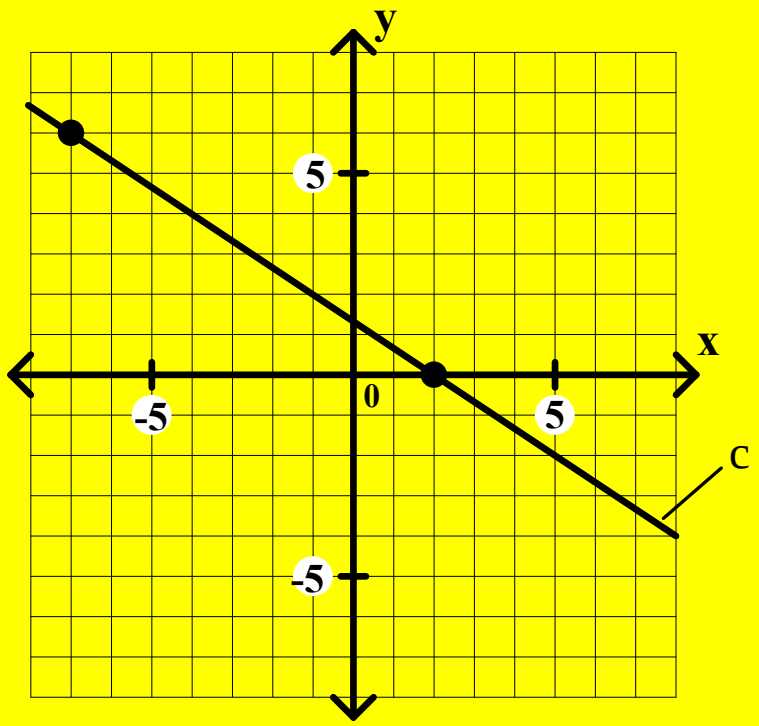
$$y - 0 = \frac{-2}{3}(x - 2)$$

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

Algebra II Class Worksheet #2 Unit 2

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

15. Line c: _____



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

through (2, 0) and (-7, 6)

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{6 - 0}{-7 - 2}$$

$m = -2/3$

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

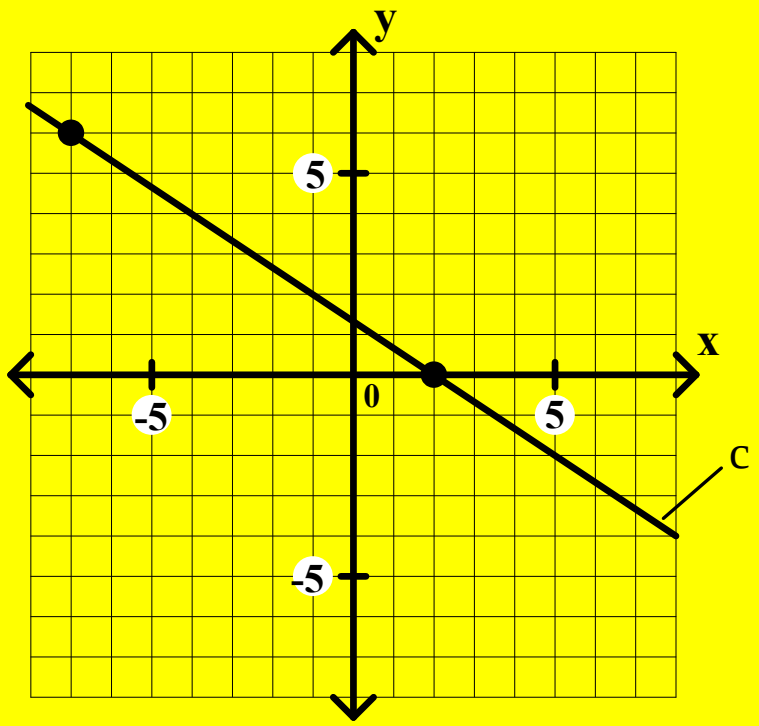
$$y - 0 = \frac{-2}{3}(x - 2)$$

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

Algebra II Class Worksheet #2 Unit 2

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

15. Line c: $y = \frac{-2}{3}x + \frac{4}{3}$



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

through (2, 0) and (-7, 6)

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{6 - 0}{-7 - 2}$$

$m = -2/3$

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

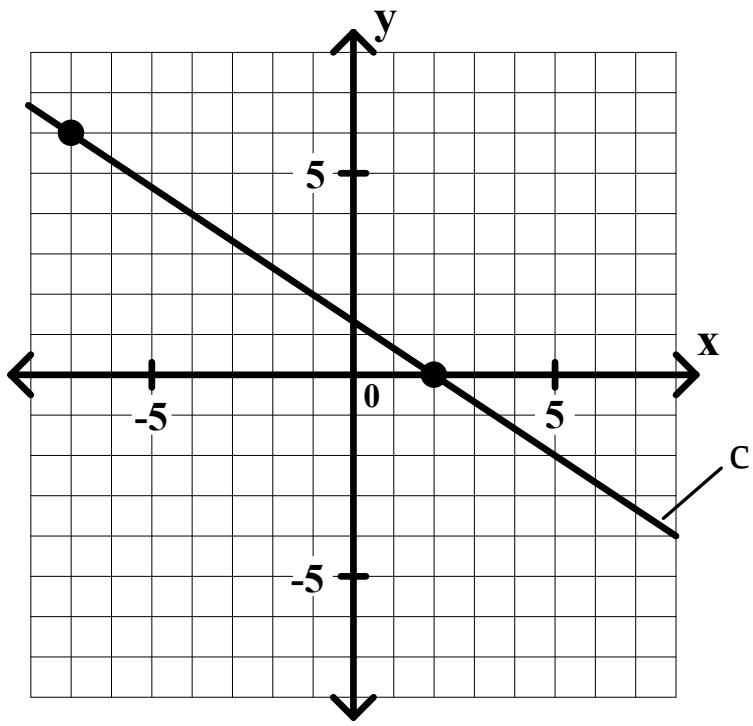
$$y - 0 = \frac{-2}{3}(x - 2)$$

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

Algebra II Class Worksheet #2 Unit 2

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

15. Line c: $y = \frac{-2}{3}x + \frac{4}{3}$



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

through (2, 0) and (-7, 6)

$$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{6 - 0}{-7 - 2} \qquad m = -2/3$$

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

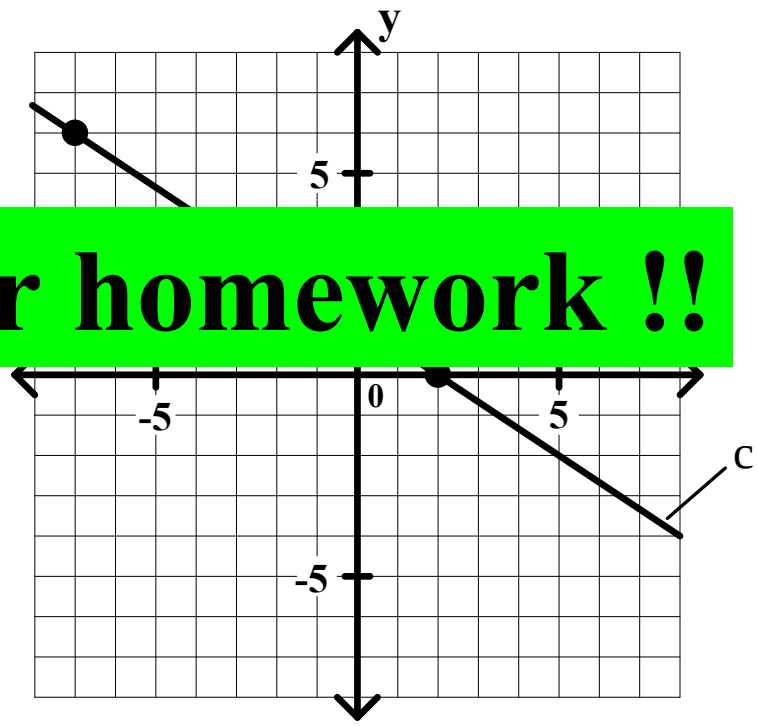
$$y - 0 = \frac{-2}{3}(x - 2)$$

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

Algebra II Class Worksheet #2 Unit 2

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

15. Line c: $y = \frac{-2}{3}x + \frac{4}{3}$



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

through (2, 0) and (-7, 6)

Good luck on your homework !!

$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{6 - 0}{-7 - 2}$ $m = -2/3$

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

$y - 0 = \frac{-2}{3}(x - 2)$

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