

Algebra II Lesson #3 Unit 2

Notes #3

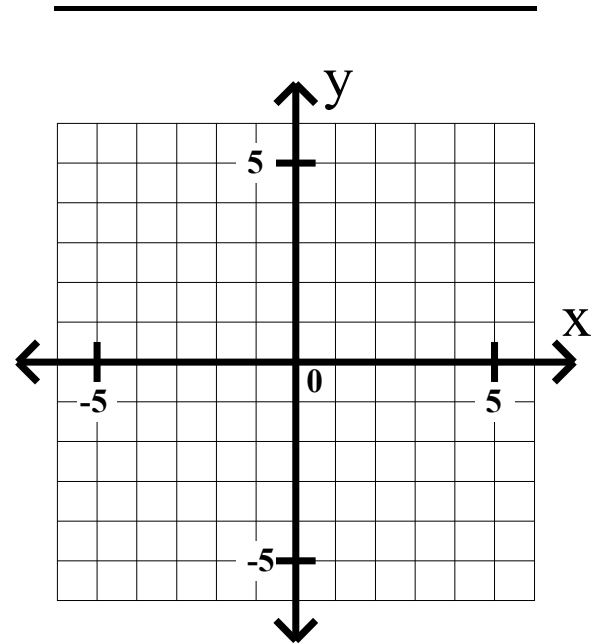
Class Worksheet #3

For Worksheets #3 & #4

Algebra II Class Worksheet #3 Unit 2

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

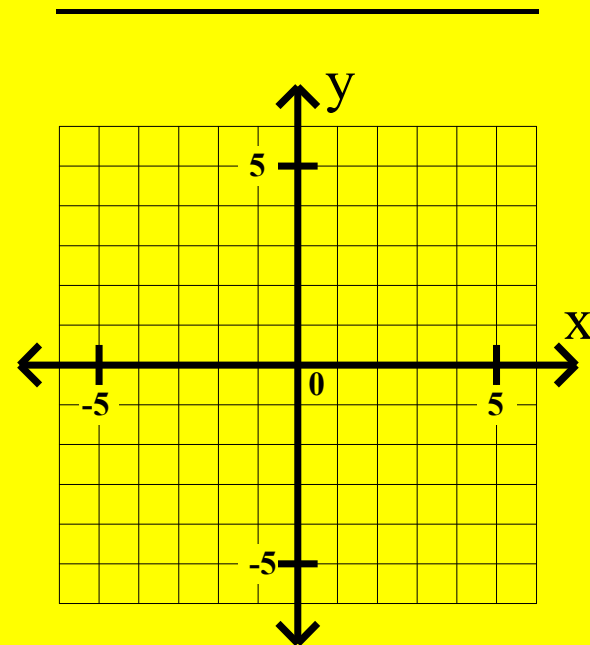
1. The line through $(0, 1)$ parallel to $-5x + 2y = -4$



Algebra II Class Worksheet #3 Unit 2

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

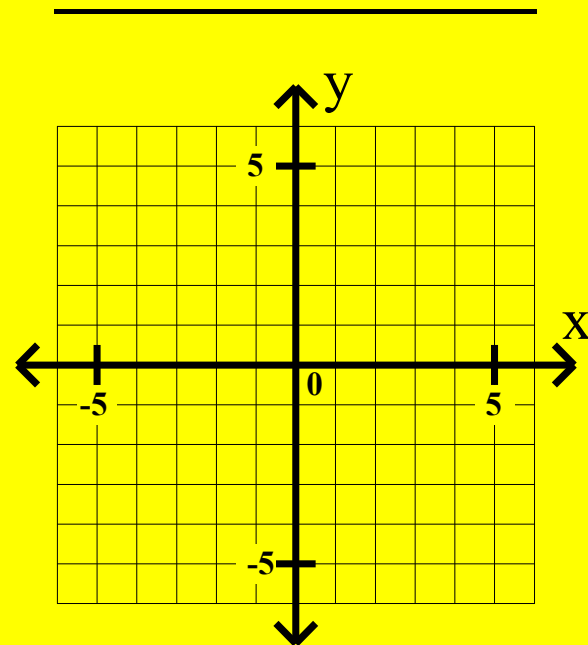
1. The line through $(0, 1)$ parallel to $-5x + 2y = -4$



Algebra II Class Worksheet #3 Unit 2

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

1. The line through $(0, 1)$ parallel to $-5x + 2y = -4$

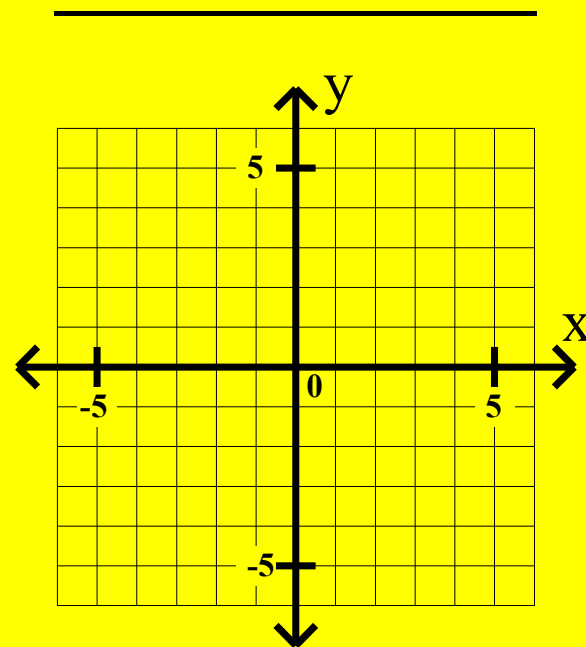


Algebra II Class Worksheet #3 Unit 2

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

1. The line through $(0, 1)$ parallel to $-5x + 2y = -4$

oblique line



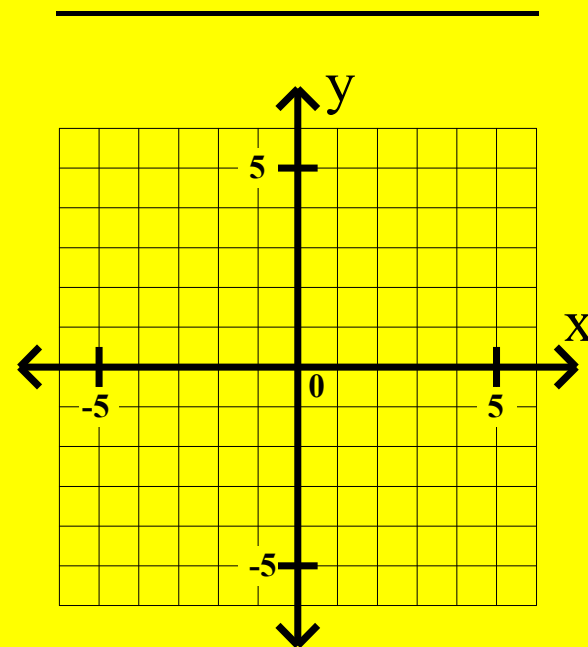
Algebra II Class Worksheet #3 Unit 2

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

1. The line through $(0, 1)$ parallel to $-5x + 2y = -4$

oblique line

$$-5x + 2y = -4$$



Algebra II Class Worksheet #3 Unit 2

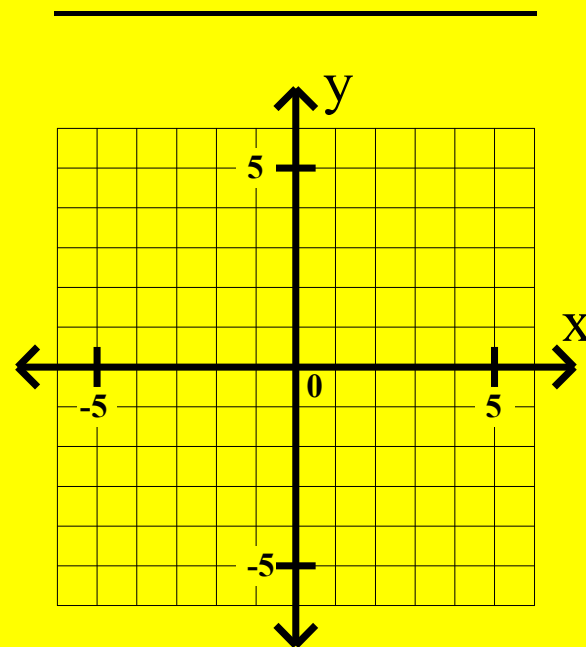
Write the equation of each line described. If the line is oblique, use slope-intercept form. Graph both equations.

1. The line through $(0, 1)$ parallel to $-5x + 2y = -4$

oblique line

$$-5x + 2y = -4$$

$$2y =$$



Algebra II Class Worksheet #3 Unit 2

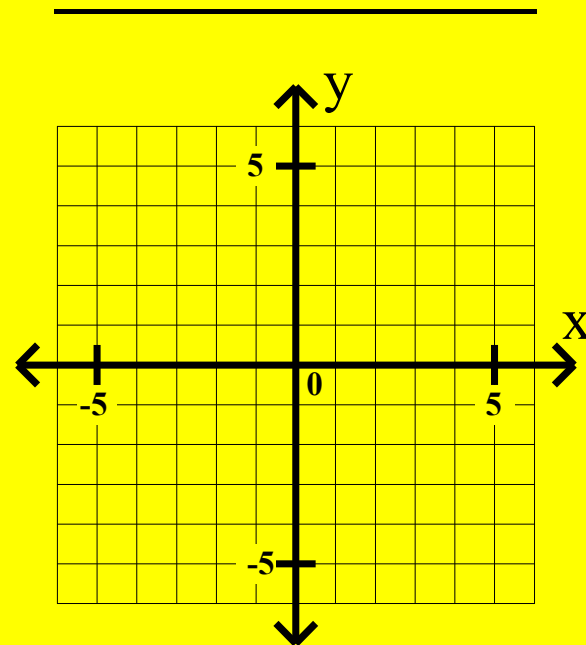
Write the equation of each line described. If the line is oblique, use slope-intercept form. Graph both equations.

1. The line through $(0, 1)$ parallel to $-5x + 2y = -4$

oblique line

$$-5x + 2y = -4$$

$$2y = 5x$$



Algebra II Class Worksheet #3 Unit 2

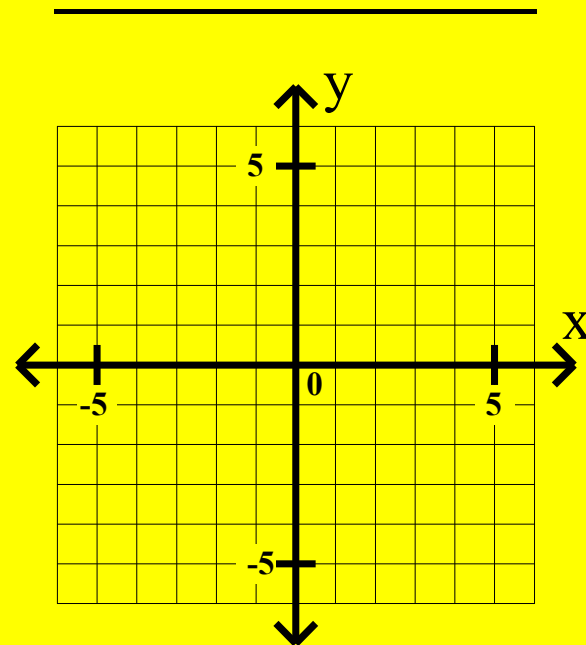
Write the equation of each line described. If the line is oblique, use slope-intercept form. Graph both equations.

1. The line through $(0, 1)$ parallel to $-5x + 2y = -4$

oblique line

$$-5x + 2y = -4$$

$$2y = 5x - 4$$



Algebra II Class Worksheet #3 Unit 2

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

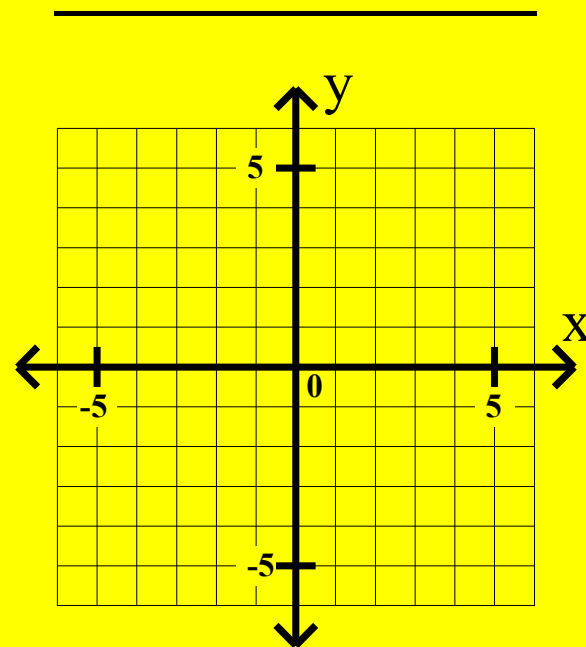
1. The line through $(0, 1)$ parallel to $-5x + 2y = -4$

oblique line

$$-5x + 2y = -4$$

$$2y = 5x - 4$$

$$y =$$



Algebra II Class Worksheet #3 Unit 2

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

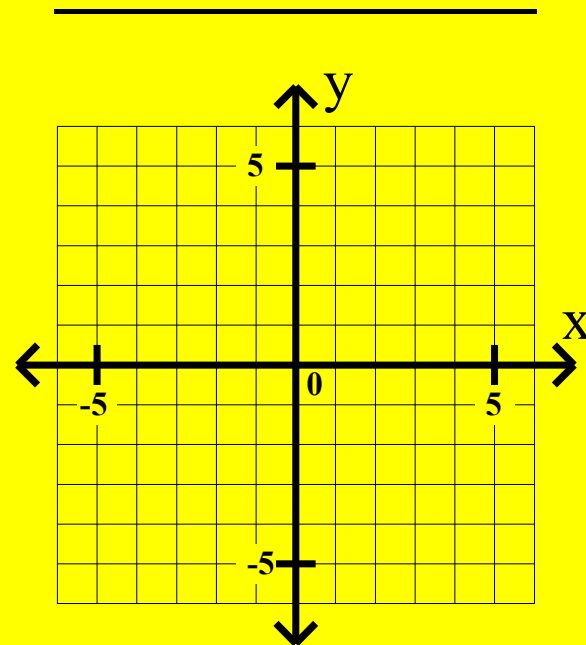
1. The line through $(0, 1)$ parallel to $-5x + 2y = -4$

oblique line

$$-5x + 2y = -4$$

$$2y = 5x - 4$$

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



Algebra II Class Worksheet #3 Unit 2

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

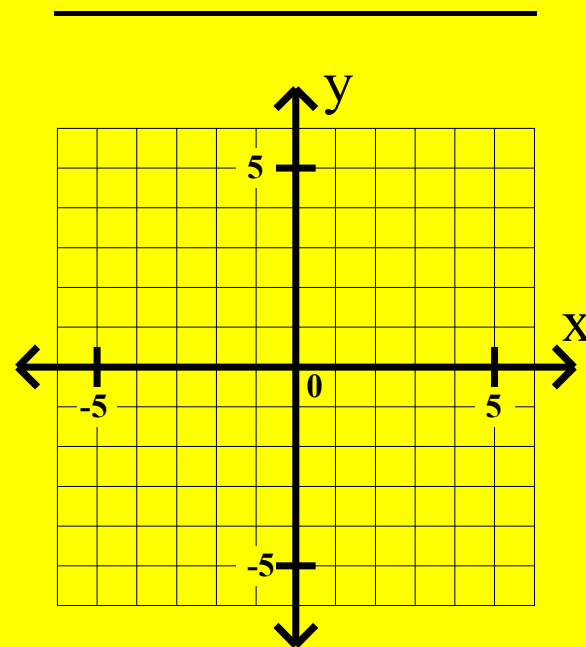
1. The line through $(0, 1)$ parallel to $-5x + 2y = -4$

oblique line

$$-5x + 2y = -4$$

$$2y = 5x - 4$$

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



Algebra II Class Worksheet #3 Unit 2

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

1. The line through $(0, 1)$ parallel to $-5x + 2y = -4$

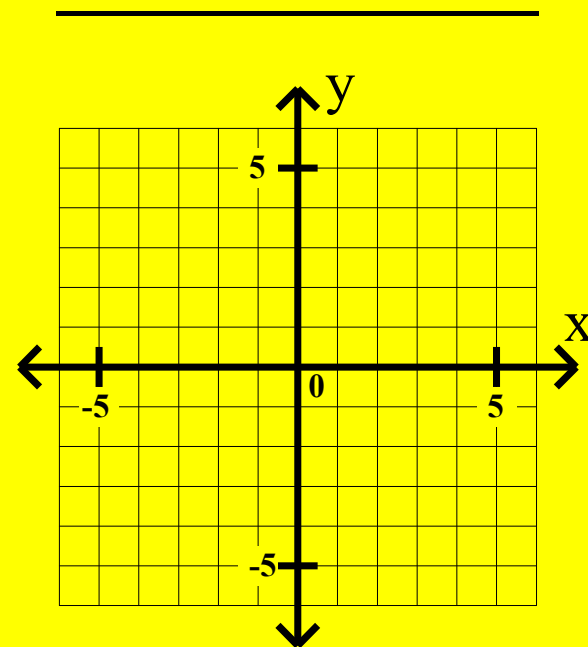
oblique line

$$-5x + 2y = -4$$

$$2y = 5x - 4$$

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

$$m_1 = 5/2$$



Algebra II Class Worksheet #3 Unit 2

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

1. The line through $(0, 1)$ parallel to $-5x + 2y = -4$

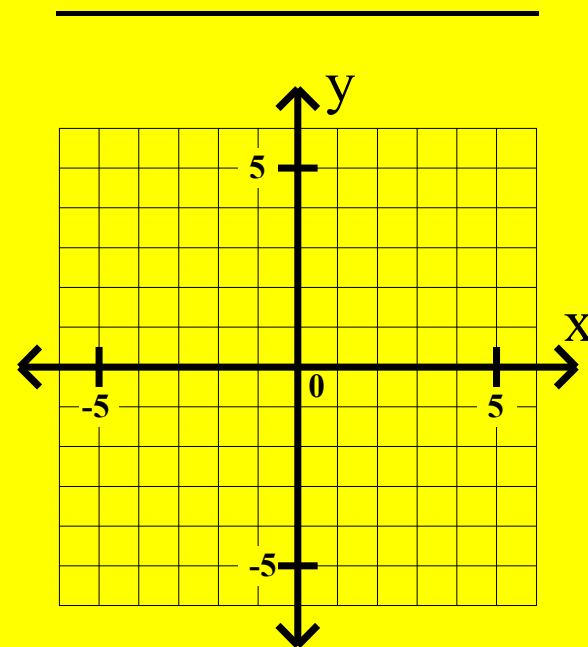
oblique line

$$-5x + 2y = -4$$

$$2y = 5x - 4$$

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

$$m_1 = 5/2$$



Algebra II Class Worksheet #3 Unit 2

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

1. The line through $(0, 1)$ parallel to $-5x + 2y = -4$

oblique line

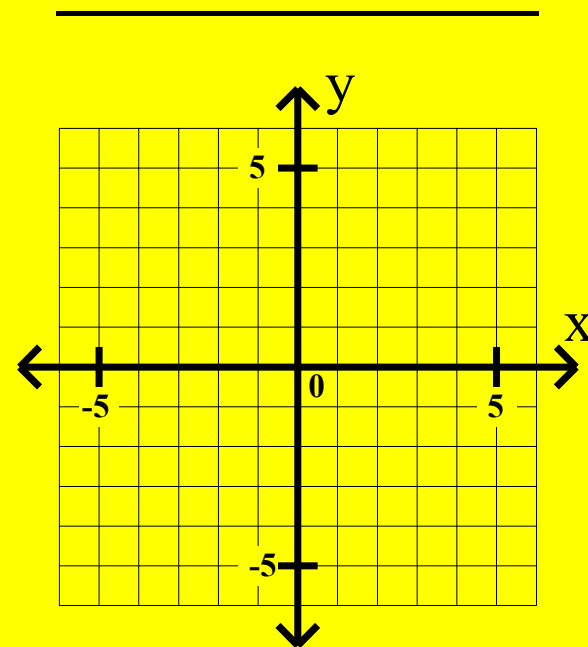
$$y = mx + b$$

$$-5x + 2y = -4$$

$$2y = 5x - 4$$

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

$$m_1 = 5/2$$



Algebra II Class Worksheet #3 Unit 2

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

1. The line through $(0, 1)$ parallel to $-5x + 2y = -4$

oblique line

$$y = mx + b$$

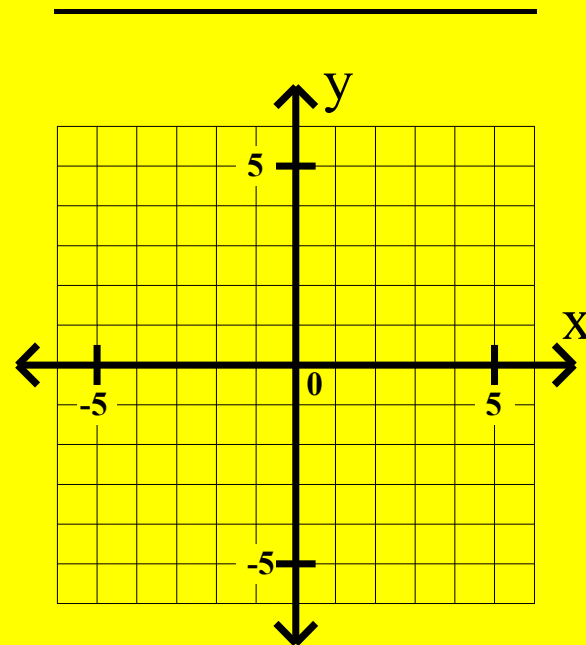
$$m_2 =$$

$$-5x + 2y = -4$$

$$2y = 5x - 4$$

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

$$m_1 = 5/2$$



Algebra II Class Worksheet #3 Unit 2

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

1. The line through $(0, 1)$ parallel to $-5x + 2y = -4$

oblique line

$$y = mx + b$$

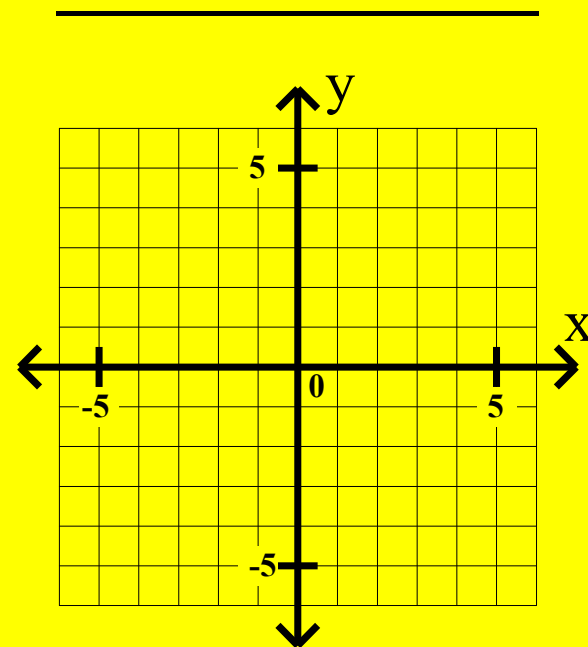
$$m_2 = 5/2$$

$$-5x + 2y = -4$$

$$2y = 5x - 4$$

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

$$m_1 = 5/2$$



Algebra II Class Worksheet #3 Unit 2

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

1. The line through $(0, 1)$ parallel to $-5x + 2y = -4$

oblique line

$$y = mx + b$$

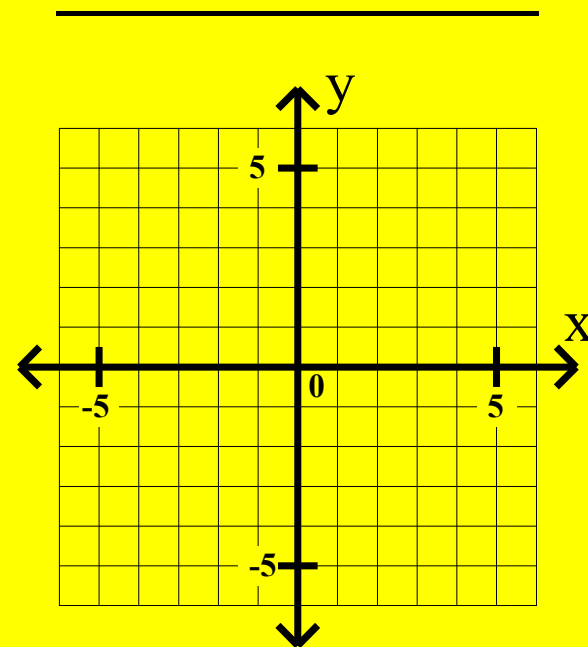
$$m_2 = 5/2$$

$$-5x + 2y = -4$$

$$2y = 5x - 4$$

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

$$m_1 = 5/2$$



Algebra II Class Worksheet #3 Unit 2

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

1. The line through $(0, 1)$ parallel to $-5x + 2y = -4$

oblique line

$$y = mx + b$$

$$m_2 = 5/2$$

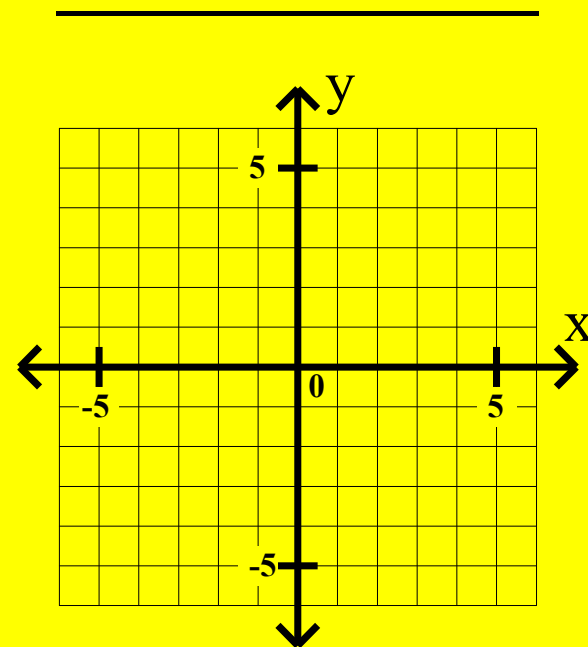
$$b = 1$$

$$-5x + 2y = -4$$

$$2y = 5x - 4$$

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

$$m_1 = 5/2$$



Algebra II Class Worksheet #3 Unit 2

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

1. The line through $(0, 1)$ parallel to $-5x + 2y = -4$

oblique line

$$y = mx + b$$

$$m_2 = 5/2$$

$$b = 1$$

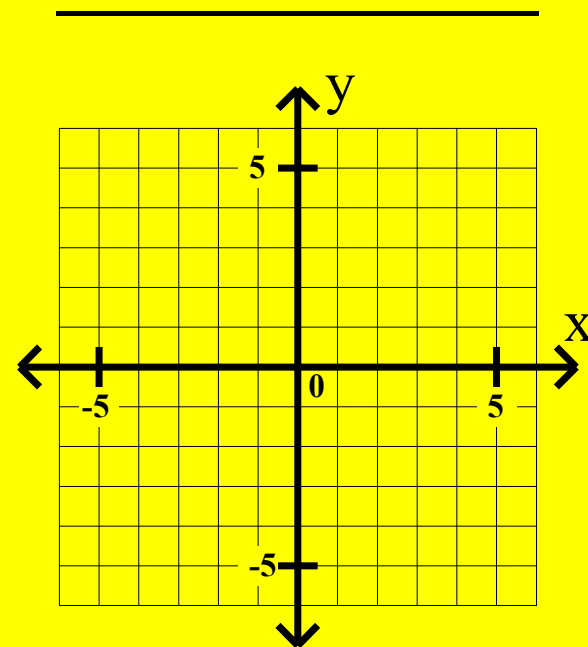
$$y =$$

$$-5x + 2y = -4$$

$$2y = 5x - 4$$

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

$$m_1 = 5/2$$



Algebra II Class Worksheet #3 Unit 2

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

1. The line through $(0, 1)$ parallel to $-5x + 2y = -4$

oblique line

$$y = mx + b$$

$$m_2 = 5/2$$

$$b = 1$$

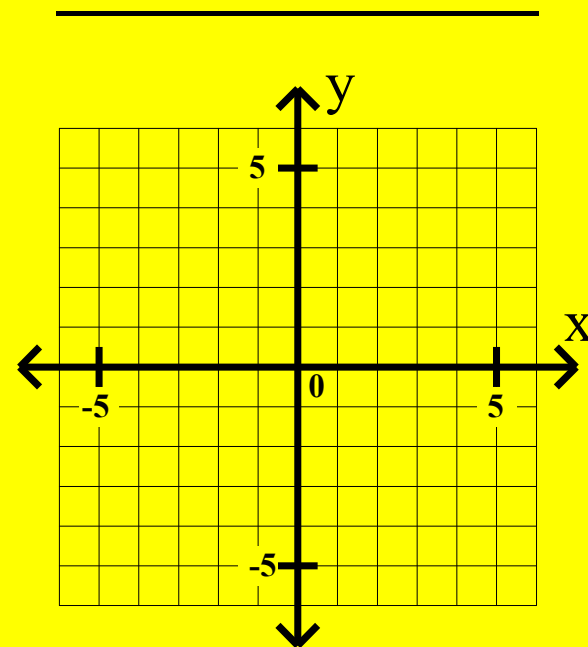
$$y = \frac{5}{2}x$$

$$-5x + 2y = -4$$

$$2y = 5x - 4$$

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

$$m_1 = 5/2$$



Algebra II Class Worksheet #3 Unit 2

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

1. The line through $(0, 1)$ parallel to $-5x + 2y = -4$

oblique line

$$y = mx + b$$

$$m_2 = 5/2$$

$$b = 1$$

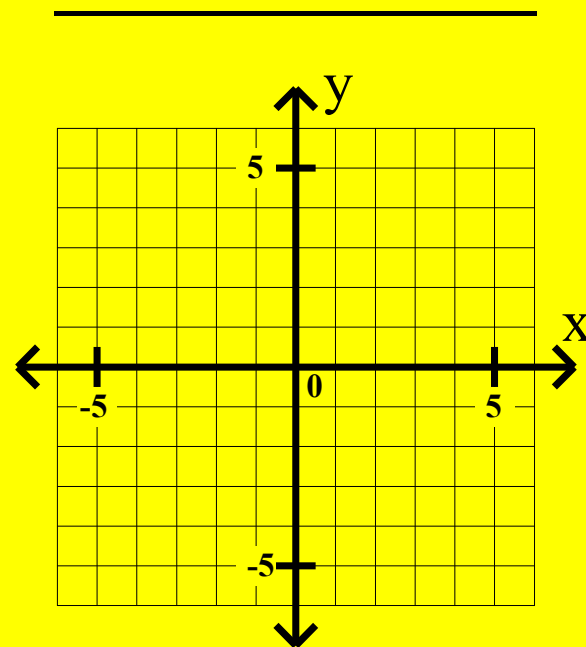
$$y = \frac{5}{2}x + 1$$

$$-5x + 2y = -4$$

$$2y = 5x - 4$$

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

$$m_1 = 5/2$$



Algebra II Class Worksheet #3 Unit 2

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

1. The line through $(0, 1)$ parallel to $-5x + 2y = -4$

oblique line

$$y = mx + b$$

$$m_2 = 5/2$$

$$b = 1$$

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

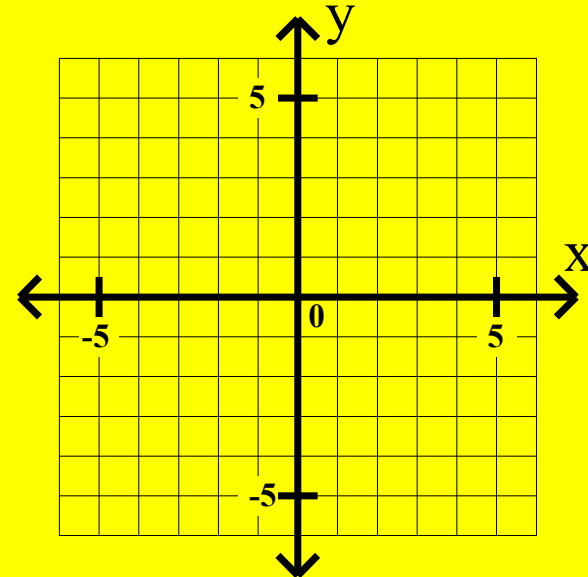
$$-5x + 2y = -4$$

$$2y = 5x - 4$$

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

$$m_1 = 5/2$$

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



Algebra II Class Worksheet #3 Unit 2

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

1. The line through $(0, 1)$ parallel to $-5x + 2y = -4$

oblique line

$$y = mx + b$$

$$m_2 = 5/2$$

$$b = 1$$

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

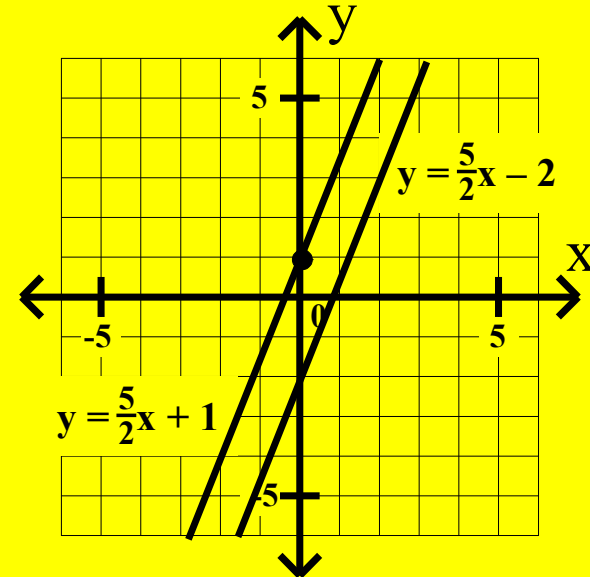
$$-5x + 2y = -4$$

$$2y = 5x - 4$$

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

$$m_1 = 5/2$$

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



Algebra II Class Worksheet #3 Unit 2

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

1. The line through $(0, 1)$ parallel to $-5x + 2y = -4$

oblique line

$$y = mx + b$$

$$m_2 = 5/2$$

$$b = 1$$

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

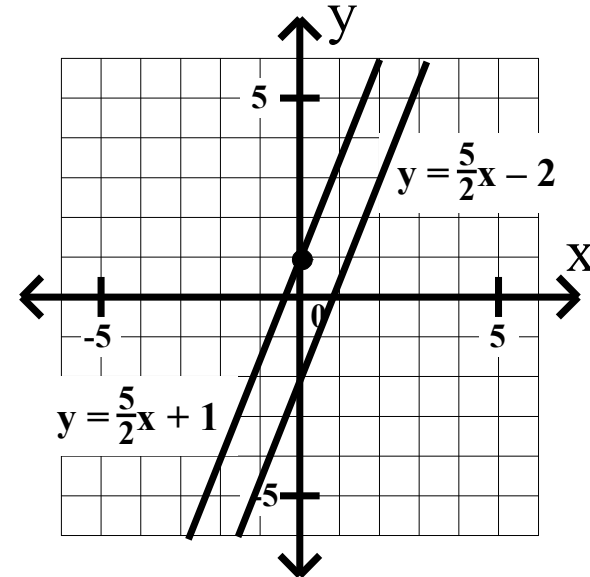
$$-5x + 2y = -4$$

$$2y = 5x - 4$$

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

$$m_1 = 5/2$$

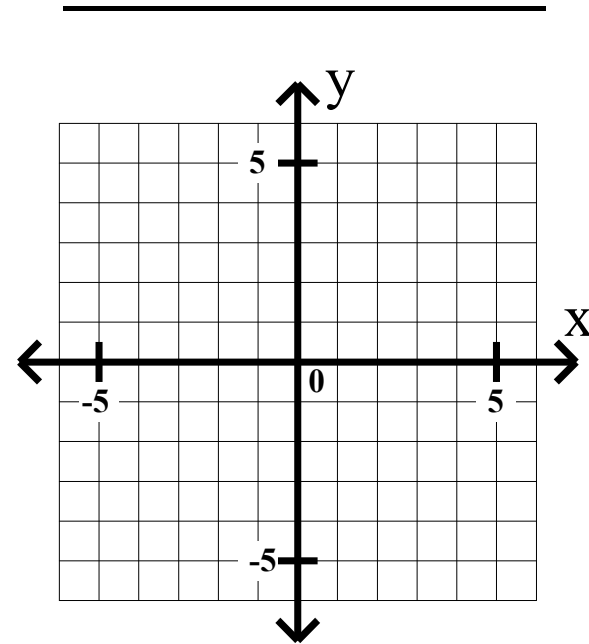
$$y = \frac{5}{2}x + 1$$



Algebra II Class Worksheet #3 Unit 2

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

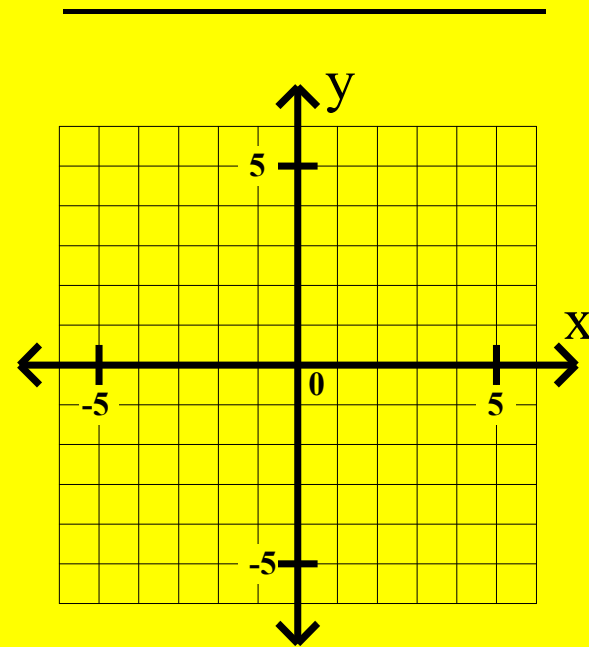
2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$



Algebra II Class Worksheet #3 Unit 2

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

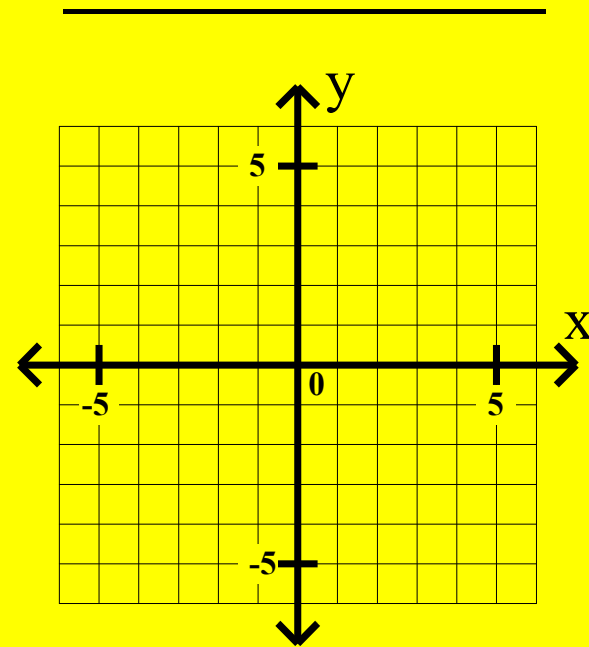
2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$



Algebra II Class Worksheet #3 Unit 2

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

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

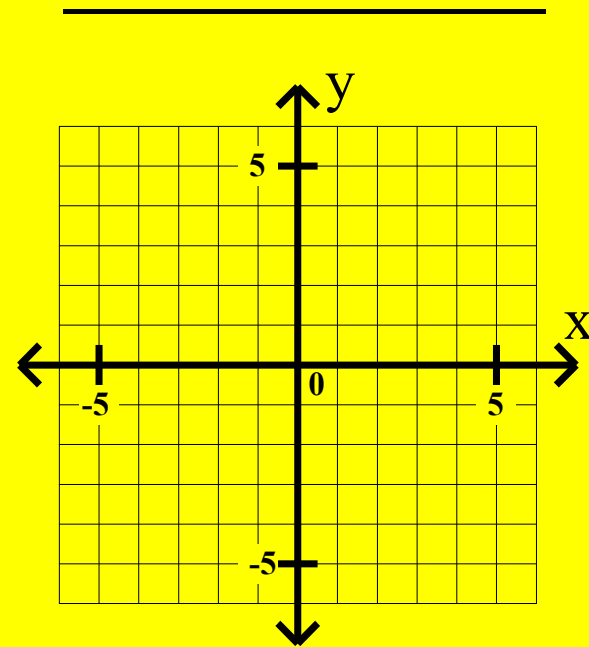


Algebra II Class Worksheet #3 Unit 2

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

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line



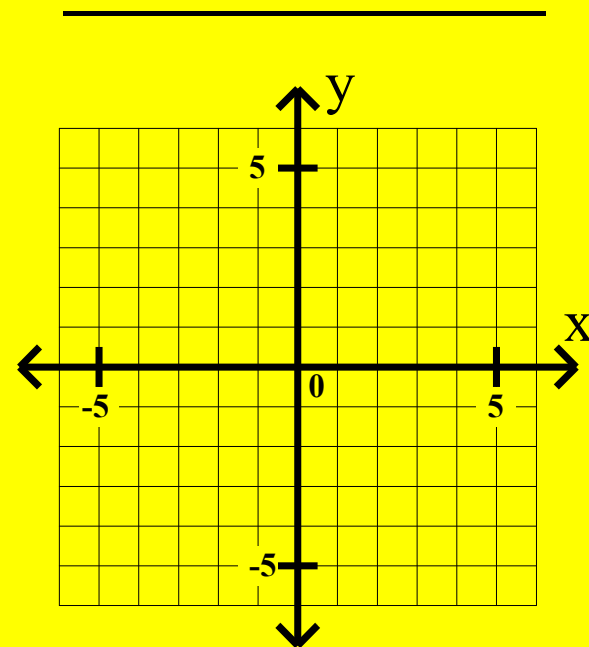
Algebra II Class Worksheet #3 Unit 2

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

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$4x + 3y = 9$$



Algebra II Class Worksheet #3 Unit 2

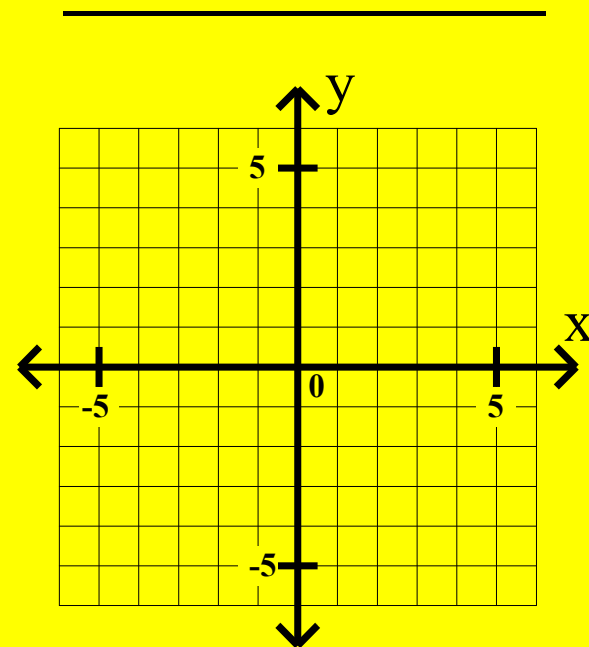
Write the equation of each line described. If the line is oblique, use slope-intercept form. Graph both equations.

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$4x + 3y = 9$$

$$3y =$$



Algebra II Class Worksheet #3 Unit 2

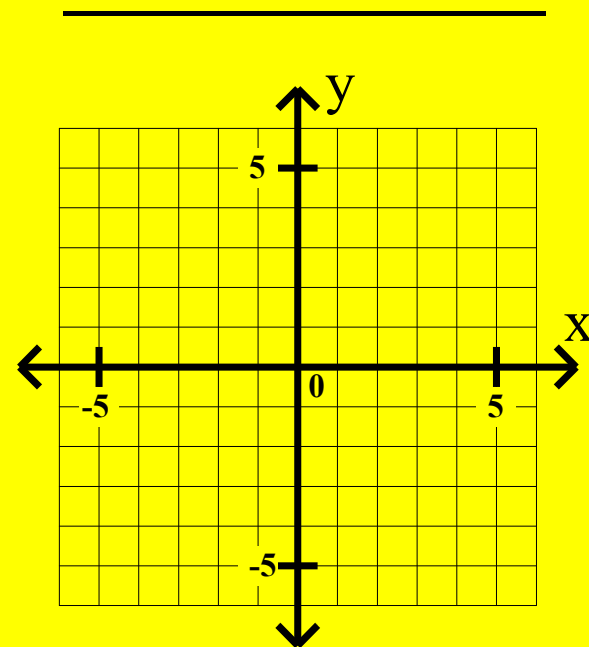
Write the equation of each line described. If the line is oblique, use slope-intercept form. Graph both equations.

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$4x + 3y = 9$$

$$3y = -4x$$



Algebra II Class Worksheet #3 Unit 2

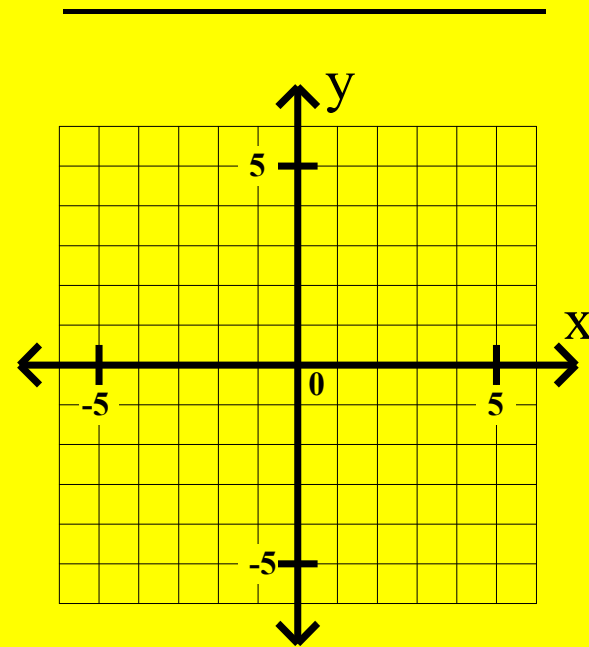
Write the equation of each line described. If the line is oblique, use slope-intercept form. Graph both equations.

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$4x + 3y = 9$$

$$3y = -4x + 9$$



Algebra II Class Worksheet #3 Unit 2

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

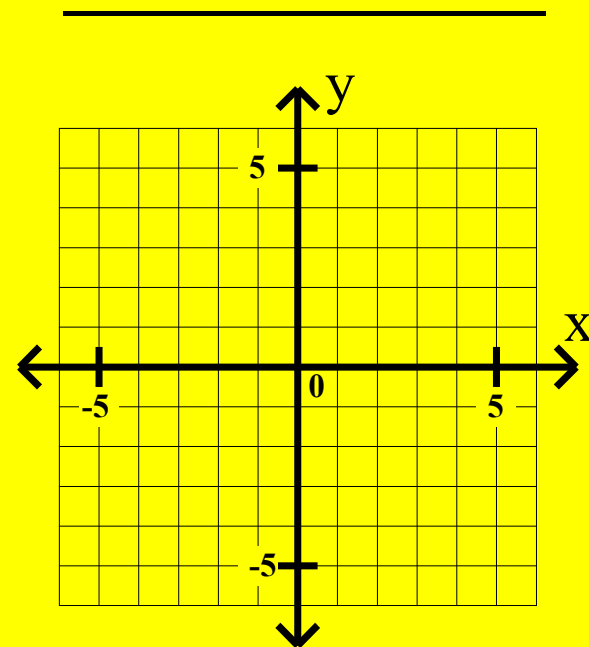
2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$4x + 3y = 9$$

$$3y = -4x + 9$$

$$y =$$



Algebra II Class Worksheet #3 Unit 2

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

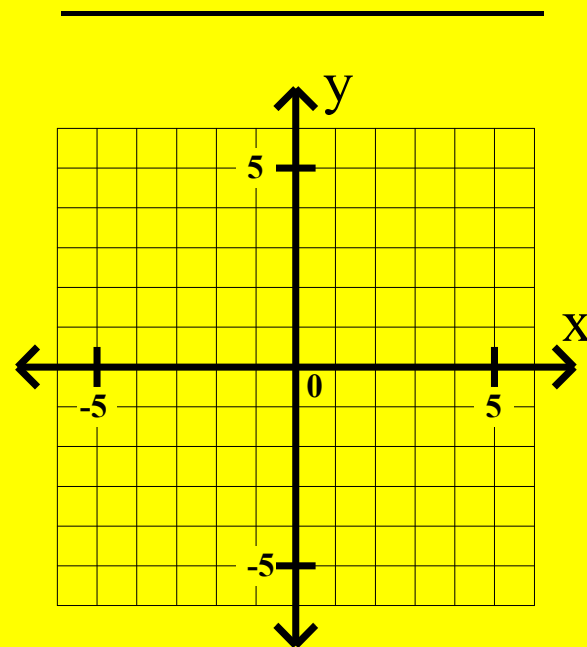
2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$4x + 3y = 9$$

$$3y = -4x + 9$$

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



Algebra II Class Worksheet #3 Unit 2

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

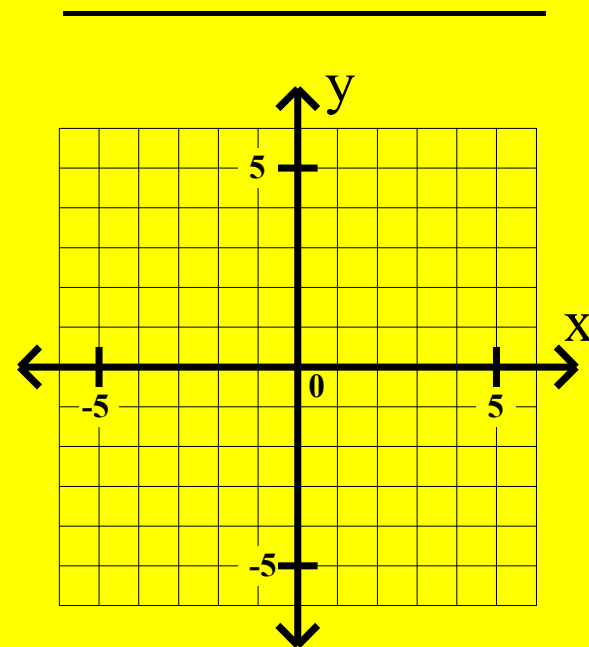
2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$4x + 3y = 9$$

$$3y = -4x + 9$$

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



Algebra II Class Worksheet #3 Unit 2

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

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

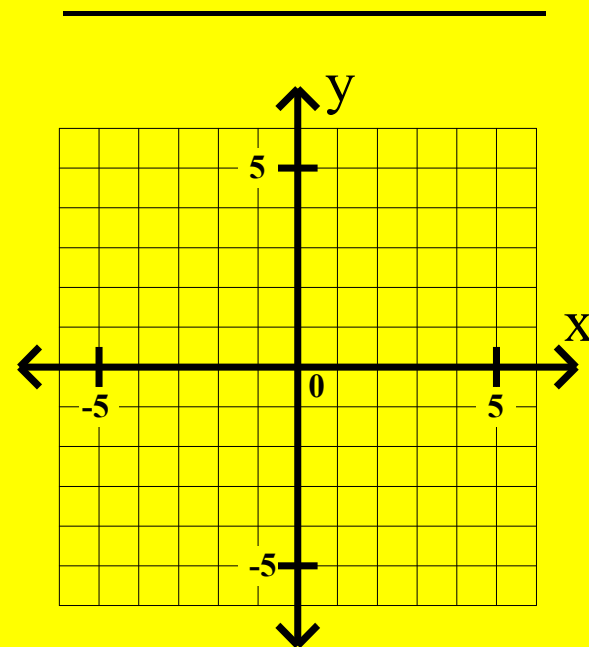
oblique line

$$4x + 3y = 9$$

$$3y = -4x + 9$$

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

$$m_1 = -4/3$$



Algebra II Class Worksheet #3 Unit 2

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

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

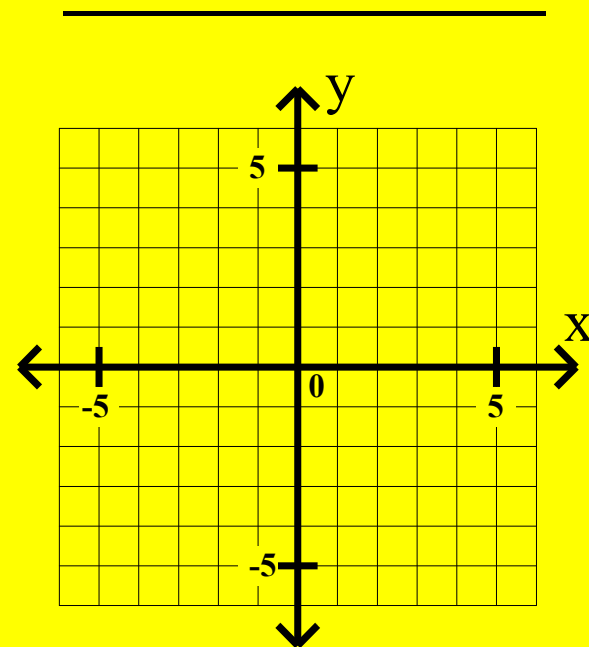
$$y = mx + b$$

$$4x + 3y = 9$$

$$3y = -4x + 9$$

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

$$m_1 = -4/3$$



Algebra II Class Worksheet #3 Unit 2

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

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

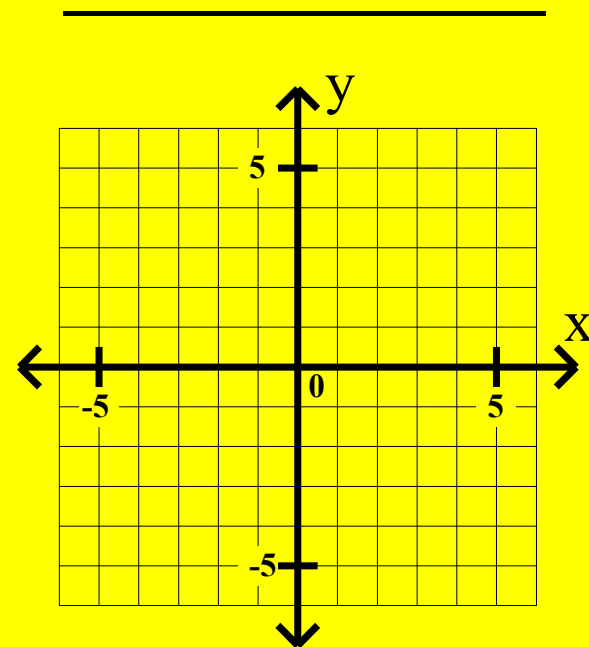
$$y = mx + b$$

$$4x + 3y = 9$$

$$3y = -4x + 9$$

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

$$m_1 = -4/3$$



Algebra II Class Worksheet #3 Unit 2

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

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$y = mx + b$$

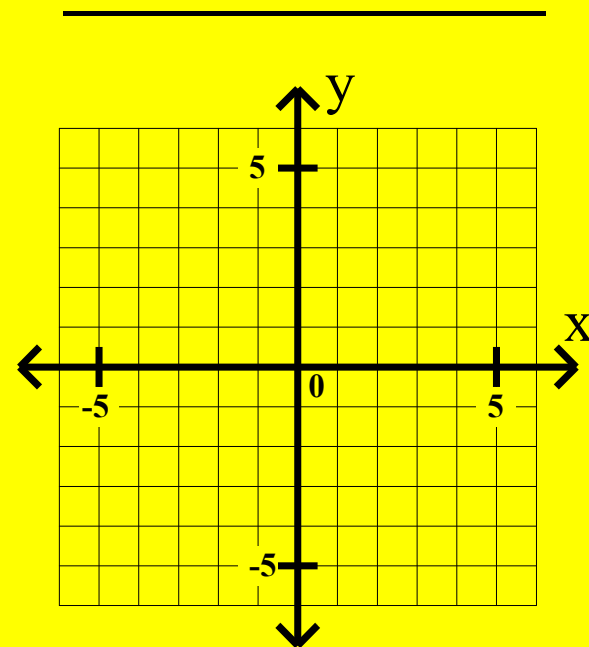
$$m_2 =$$

$$4x + 3y = 9$$

$$3y = -4x + 9$$

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

$$m_1 = -4/3$$



Algebra II Class Worksheet #3 Unit 2

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

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$y = mx + b$$

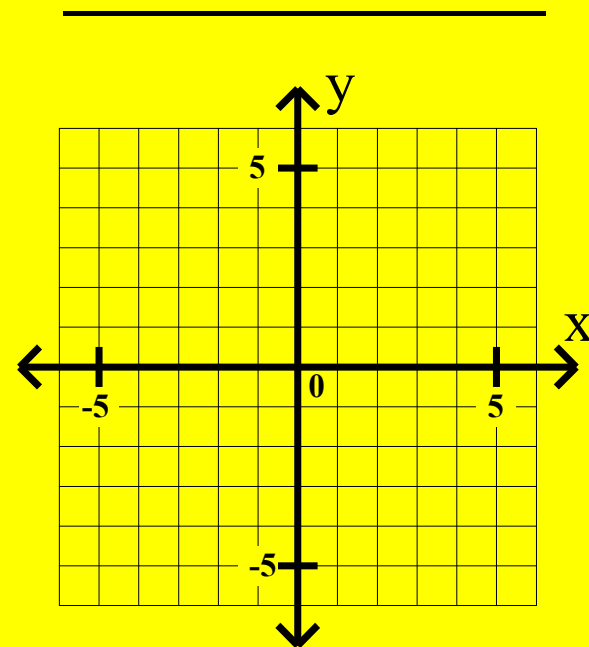
$$m_2 = -4/3$$

$$4x + 3y = 9$$

$$3y = -4x + 9$$

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

$$m_1 = -4/3$$



Algebra II Class Worksheet #3 Unit 2

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

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$y = mx + b$$

$$m_2 = -4/3$$

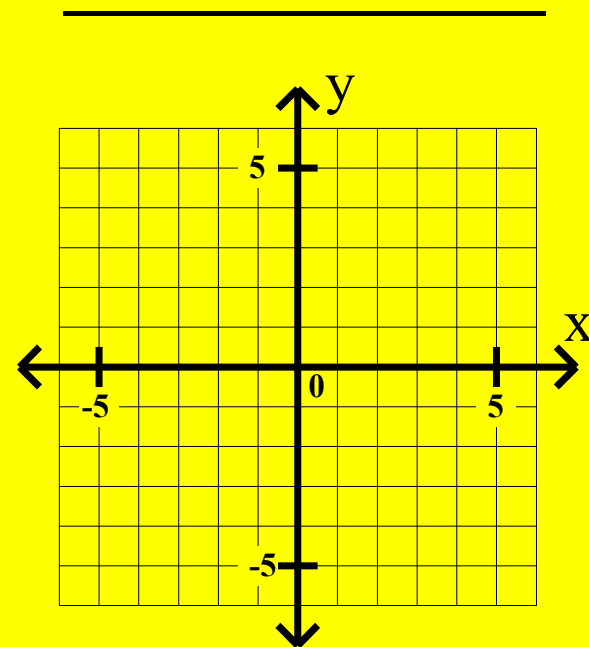
$$b = ?$$

$$4x + 3y = 9$$

$$3y = -4x + 9$$

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

$$m_1 = -4/3$$



Algebra II Class Worksheet #3 Unit 2

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

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$y = mx + b$$

$$m_2 = -4/3$$

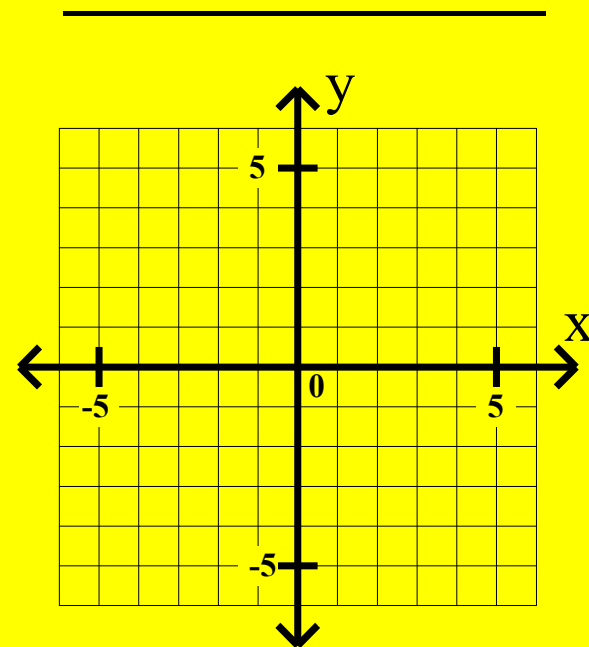
$$b = ?$$

$$4x + 3y = 9$$

$$3y = -4x + 9$$

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

$$m_1 = -4/3$$



Algebra II Class Worksheet #3 Unit 2

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

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$y = mx + b$$

$$m_2 = -4/3$$

$$b = ?$$

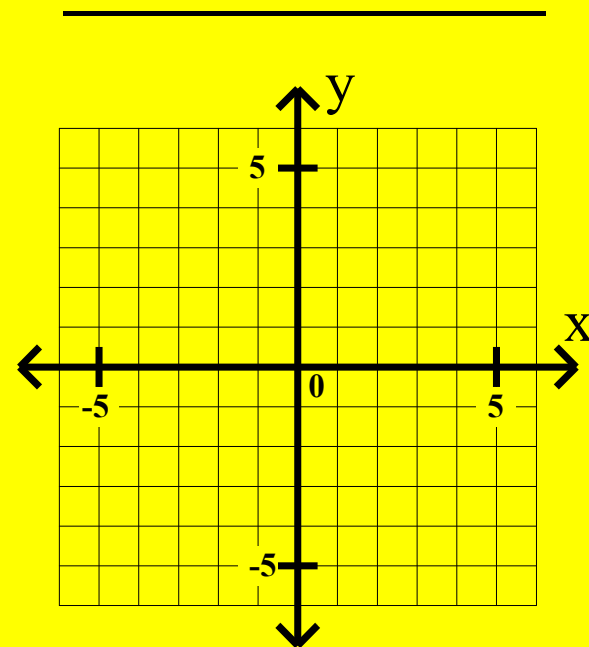
$$y - y_1 = m(x - x_1)$$

$$4x + 3y = 9$$

$$3y = -4x + 9$$

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

$$m_1 = -4/3$$



Algebra II Class Worksheet #3 Unit 2

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

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$y = mx + b$$

$$m_2 = -4/3$$

$$b = ?$$

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

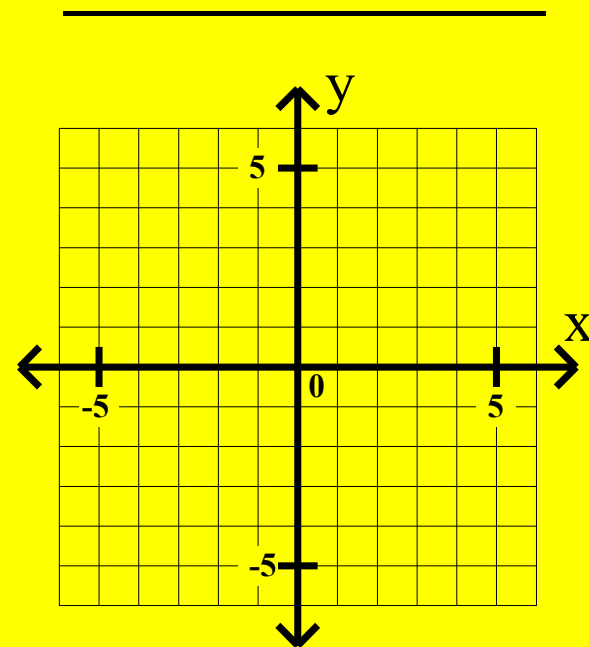
$$y - 2 =$$

$$4x + 3y = 9$$

$$3y = -4x + 9$$

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

$$m_1 = -4/3$$



Algebra II Class Worksheet #3 Unit 2

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

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$y = mx + b$$

$$m_2 = -4/3$$

$$b = ?$$

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

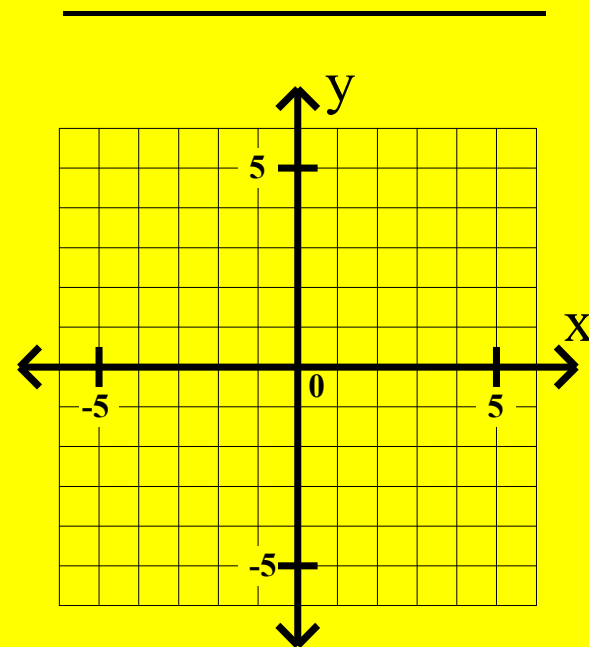
$$y - 2 = \frac{-4}{3}(\quad)$$

$$4x + 3y = 9$$

$$3y = -4x + 9$$

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

$$m_1 = -4/3$$



Algebra II Class Worksheet #3 Unit 2

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

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$y = mx + b$$

$$m_2 = -4/3$$

$$b = ?$$

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

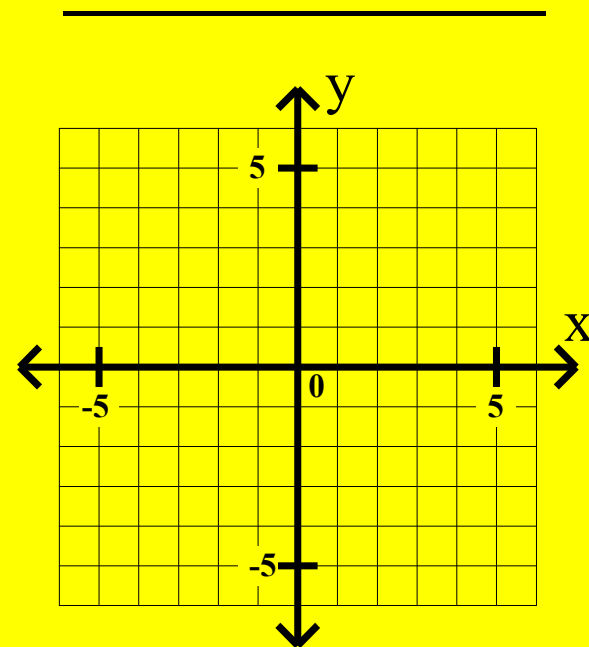
$$y - 2 = \frac{-4}{3}(x - -3)$$

$$4x + 3y = 9$$

$$3y = -4x + 9$$

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

$$m_1 = -4/3$$



Algebra II Class Worksheet #3 Unit 2

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

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$y = mx + b$$

$$m_2 = -4/3$$

$$b = ?$$

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

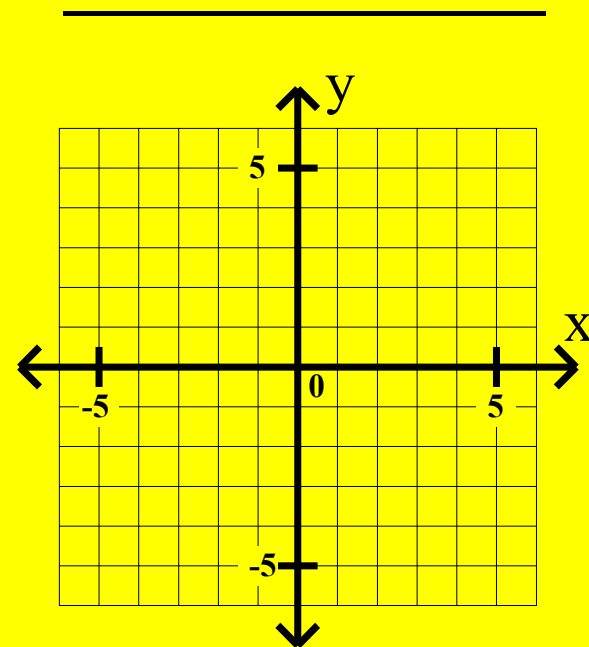
$$y - 2 = \frac{-4}{3}(x + 3)$$

$$4x + 3y = 9$$

$$3y = -4x + 9$$

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

$$m_1 = -4/3$$



Algebra II Class Worksheet #3 Unit 2

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

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$y = mx + b$$

$$m_2 = -4/3$$

$$b = ?$$

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

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

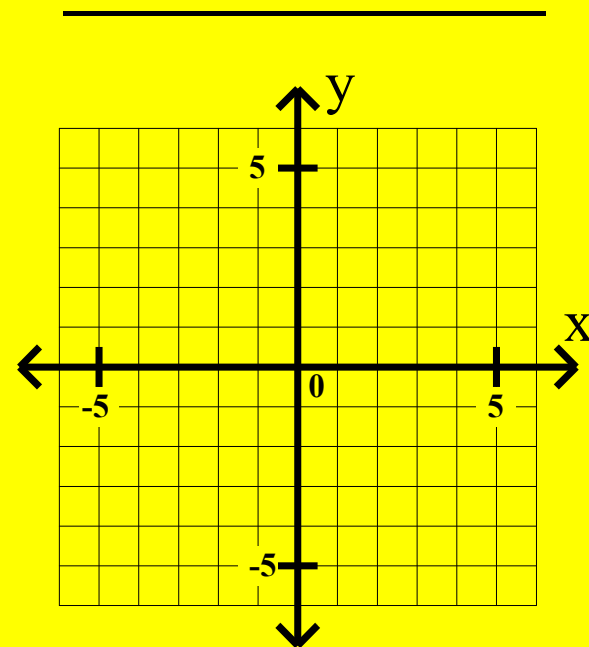
$$y - 2 =$$

$$4x + 3y = 9$$

$$3y = -4x + 9$$

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

$$m_1 = -4/3$$



Algebra II Class Worksheet #3 Unit 2

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

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$y = mx + b$$

$$m_2 = -4/3$$

$$b = ?$$

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

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

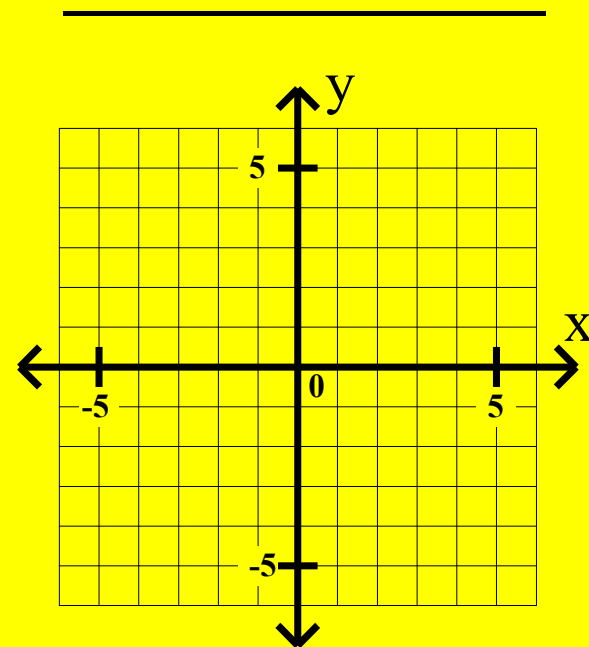
$$y - 2 = \frac{-4}{3}x$$

$$4x + 3y = 9$$

$$3y = -4x + 9$$

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

$$m_1 = -4/3$$



Algebra II Class Worksheet #3 Unit 2

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

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$y = mx + b$$

$$m_2 = -4/3$$

$$b = ?$$

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

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

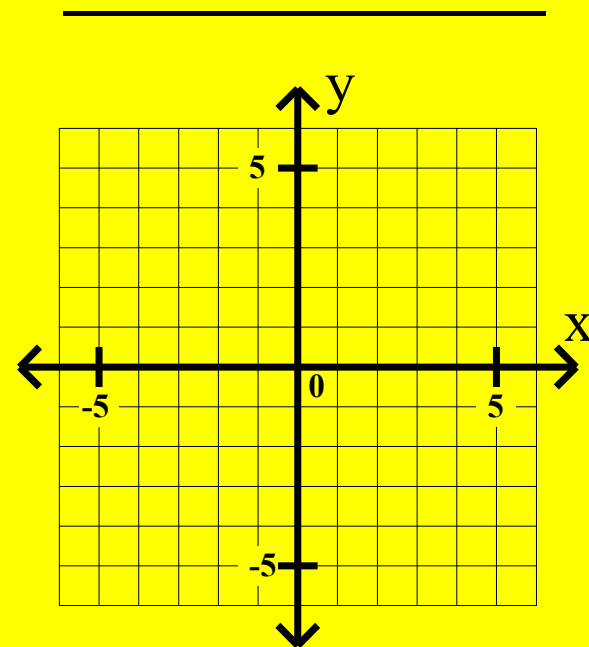
$$y - 2 = \frac{-4}{3}x - 4$$

$$4x + 3y = 9$$

$$3y = -4x + 9$$

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

$$m_1 = -4/3$$



Algebra II Class Worksheet #3 Unit 2

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

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$y = mx + b$$

$$m_2 = -4/3$$

$$b = ?$$

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

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

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

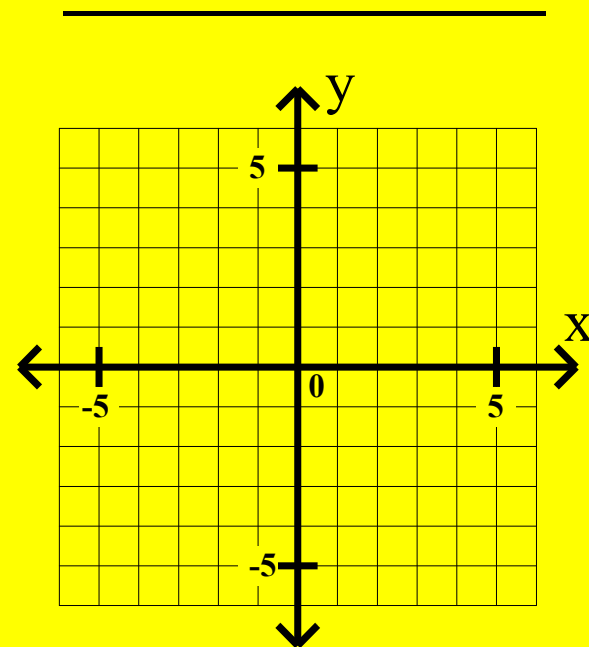
$$y =$$

$$4x + 3y = 9$$

$$3y = -4x + 9$$

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

$$m_1 = -4/3$$



Algebra II Class Worksheet #3 Unit 2

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

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$y = mx + b$$

$$m_2 = -4/3$$

$$b = ?$$

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

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

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

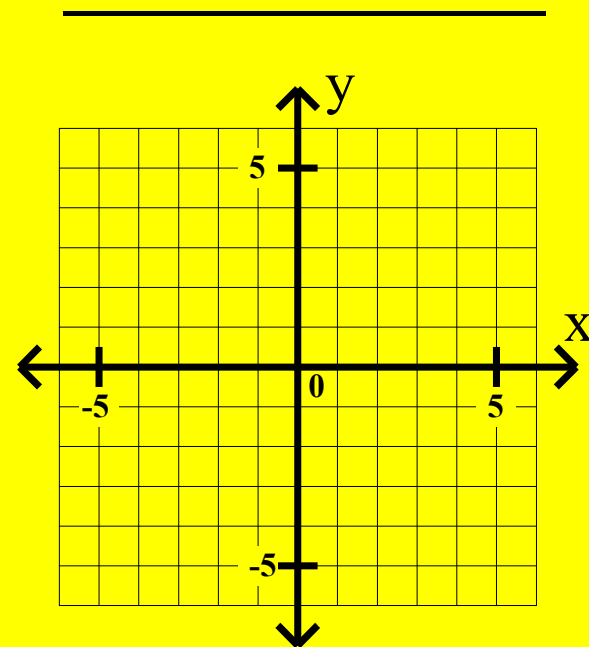
$$y = \frac{-4}{3}x$$

$$4x + 3y = 9$$

$$3y = -4x + 9$$

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

$$m_1 = -4/3$$



Algebra II Class Worksheet #3 Unit 2

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

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$y = mx + b$$

$$m_2 = -4/3$$

$$b = ?$$

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

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

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

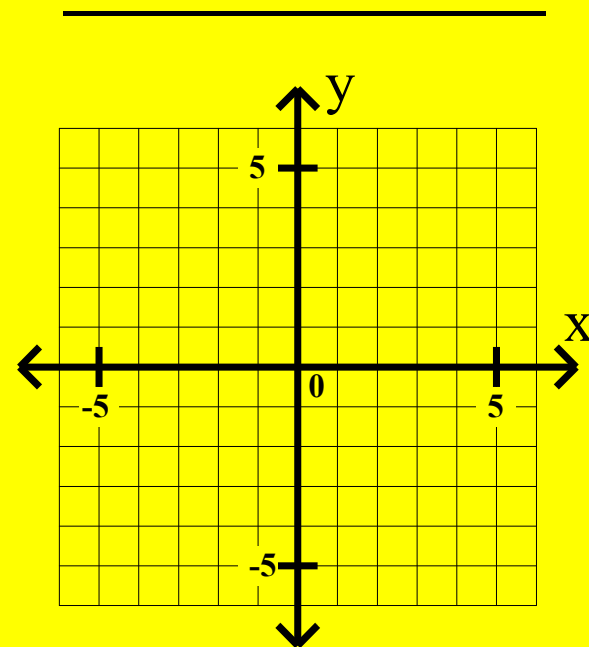
$$y = \frac{-4}{3}x - 2$$

$$4x + 3y = 9$$

$$3y = -4x + 9$$

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

$$m_1 = -4/3$$



Algebra II Class Worksheet #3 Unit 2

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

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$y = mx + b$$

$$m_2 = -4/3$$

$$b = ?$$

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

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

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

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

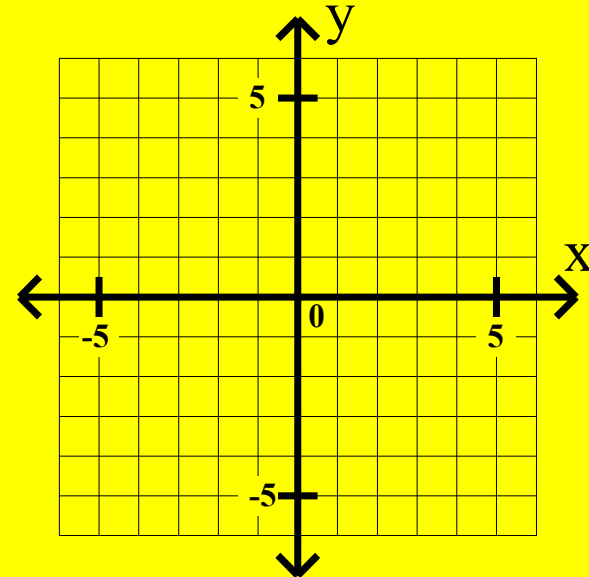
$$4x + 3y = 9$$

$$3y = -4x + 9$$

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

$$m_1 = -4/3$$

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



Algebra II Class Worksheet #3 Unit 2

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

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$y = mx + b$$

$$m_2 = -4/3$$

$$b = ?$$

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

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

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

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

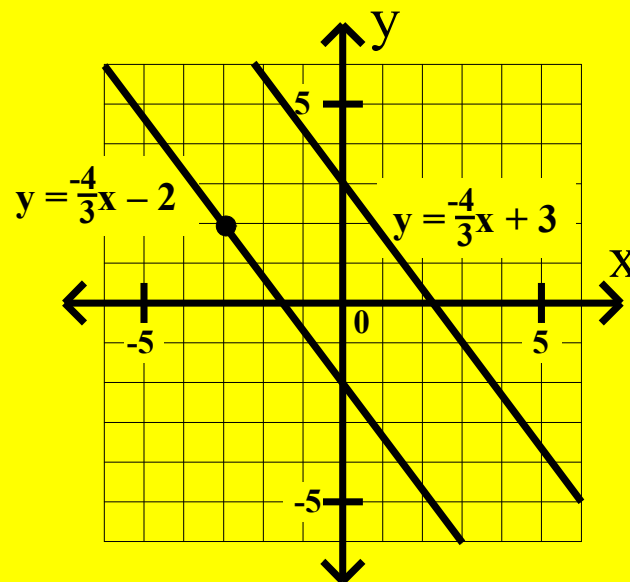
$$4x + 3y = 9$$

$$3y = -4x + 9$$

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

$$m_1 = -4/3$$

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



Algebra II Class Worksheet #3 Unit 2

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

2. The line through $(-3, 2)$ parallel to $4x + 3y = 9$

oblique line

$$y = mx + b$$

$$m_2 = -4/3$$

$$b = ?$$

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

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

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

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

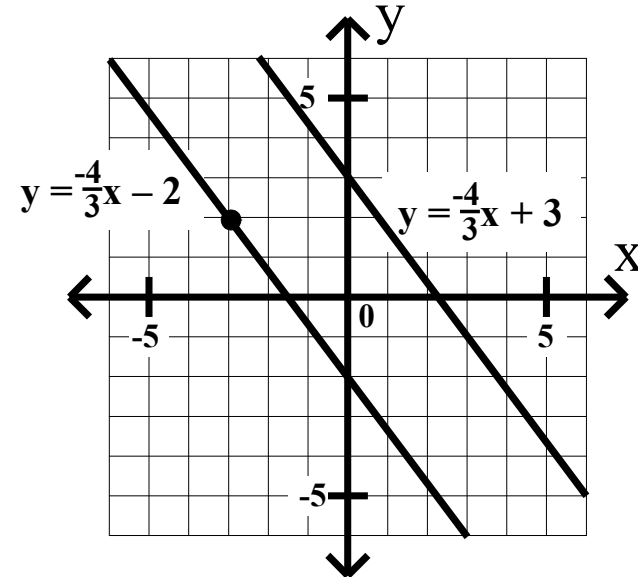
$$4x + 3y = 9$$

$$3y = -4x + 9$$

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

$$m_1 = -4/3$$

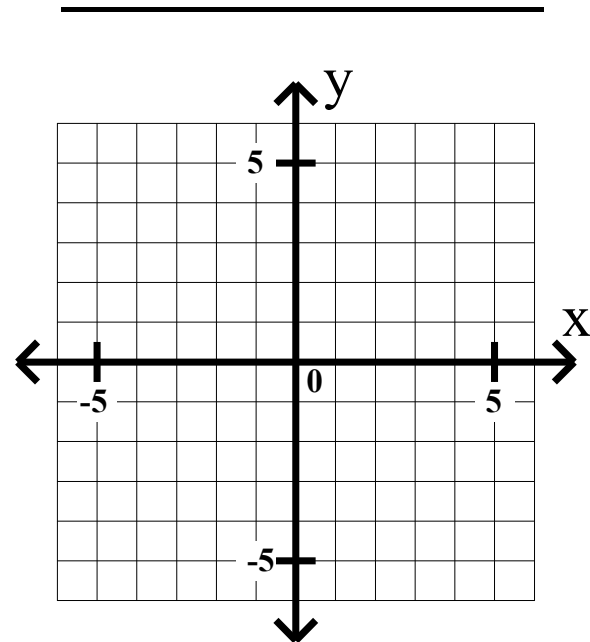
$$y = \frac{-4}{3}x - 2$$



Algebra II Class Worksheet #3 Unit 2

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

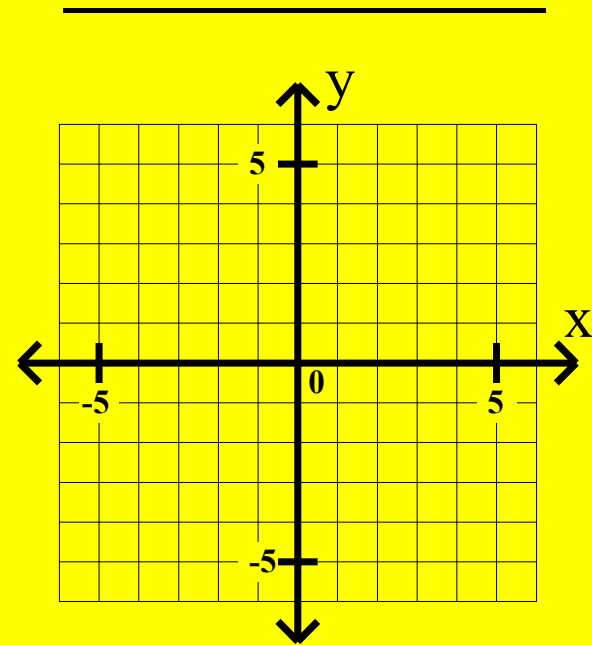
3. The line through $(2, 5)$ parallel to $x - 3y = 6$



Algebra II Class Worksheet #3 Unit 2

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

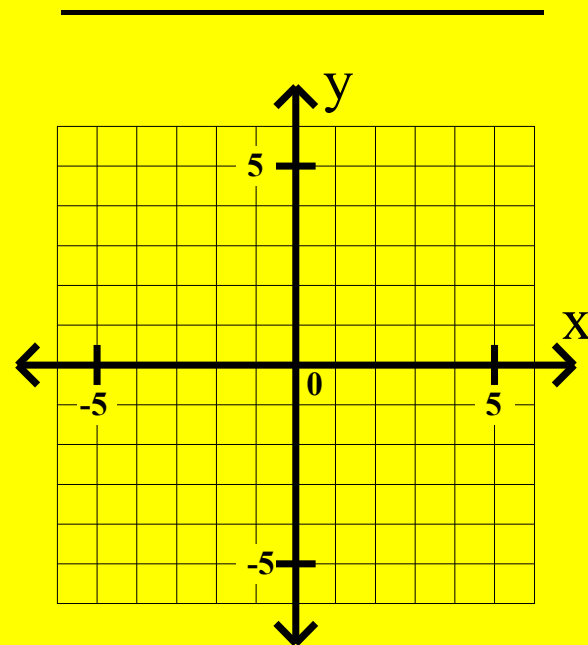
3. The line through $(2, 5)$ parallel to $x - 3y = 6$



Algebra II Class Worksheet #3 Unit 2

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

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

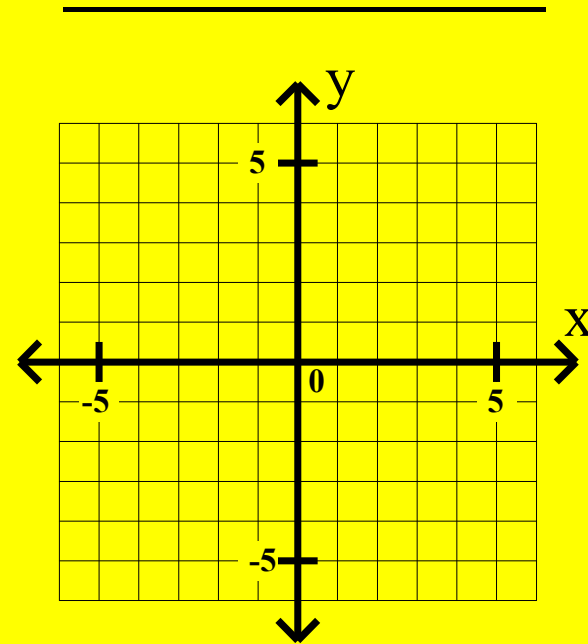


Algebra II Class Worksheet #3 Unit 2

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

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line



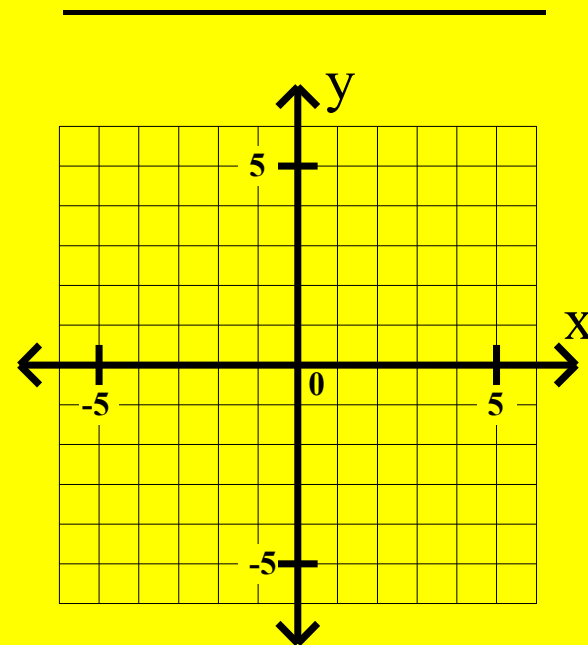
Algebra II Class Worksheet #3 Unit 2

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

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

$$x - 3y = 6$$



Algebra II Class Worksheet #3 Unit 2

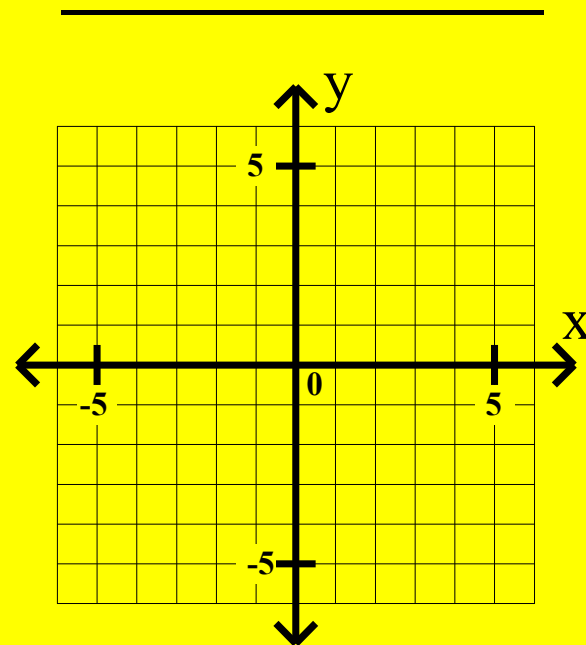
Write the equation of each line described. If the line is oblique, use slope-intercept form. Graph both equations.

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

$$x - 3y = 6$$

$$-3y =$$



Algebra II Class Worksheet #3 Unit 2

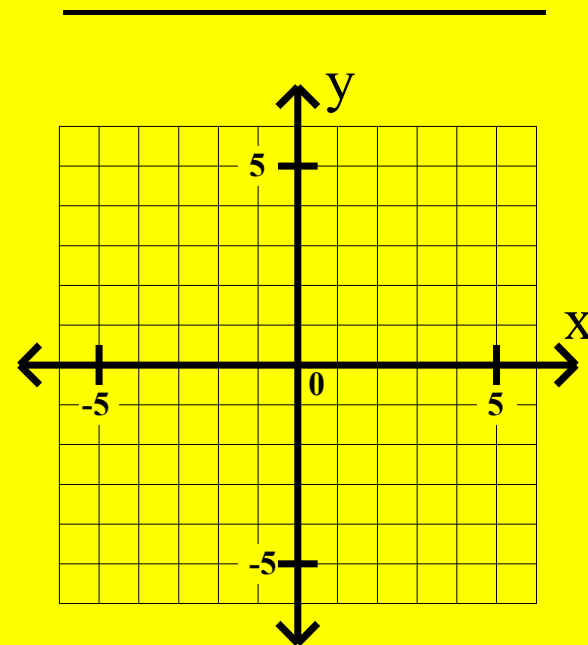
Write the equation of each line described. If the line is oblique, use slope-intercept form. Graph both equations.

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

$$x - 3y = 6$$

$$-3y = -x$$



Algebra II Class Worksheet #3 Unit 2

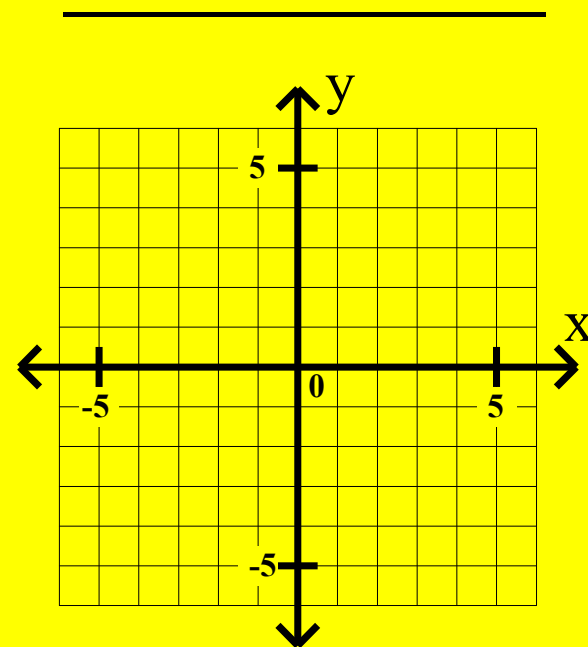
Write the equation of each line described. If the line is oblique, use slope-intercept form. Graph both equations.

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

$$x - 3y = 6$$

$$-3y = -x + 6$$



Algebra II Class Worksheet #3 Unit 2

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

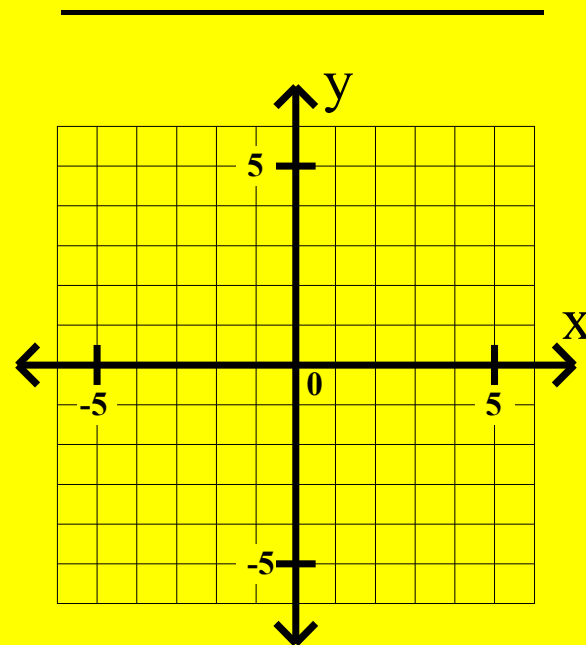
3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

$$x - 3y = 6$$

$$-3y = -x + 6$$

$$y =$$



Algebra II Class Worksheet #3 Unit 2

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

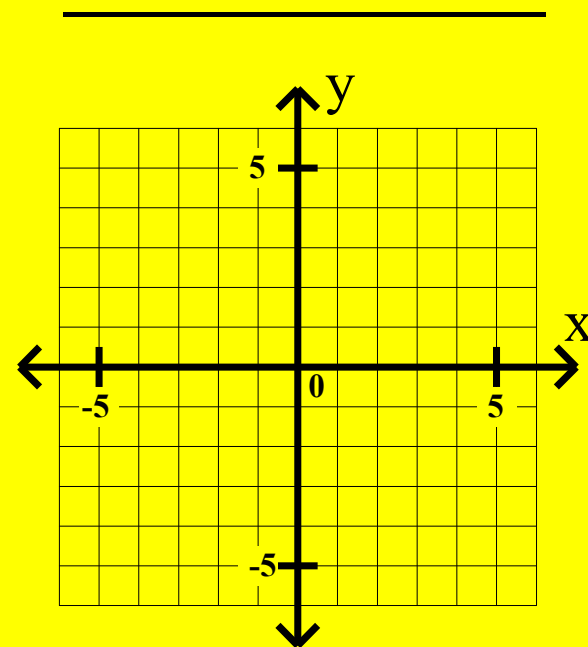
3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

$$x - 3y = 6$$

$$-3y = -x + 6$$

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



Algebra II Class Worksheet #3 Unit 2

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

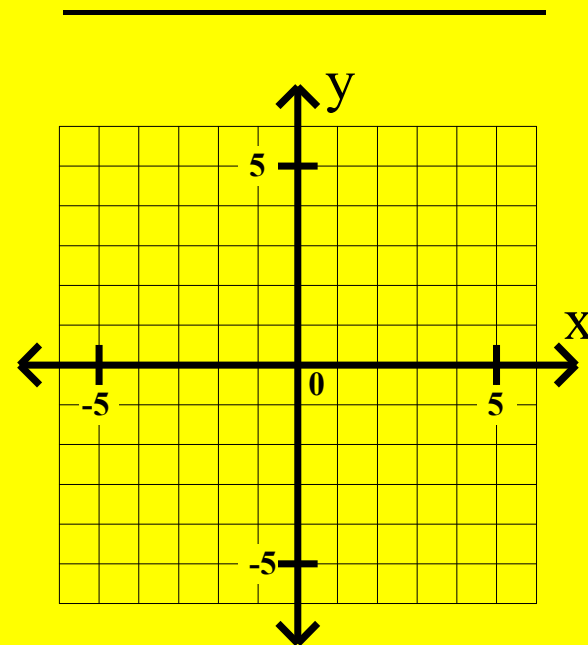
3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

$$x - 3y = 6$$

$$-3y = -x + 6$$

$$y = \frac{1}{3}x - 2$$



Algebra II Class Worksheet #3 Unit 2

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

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

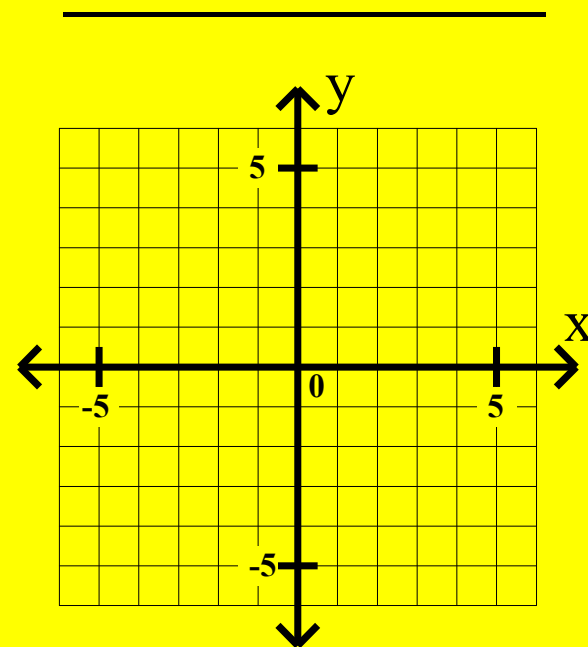
oblique line

$$x - 3y = 6$$

$$-3y = -x + 6$$

$$y = \frac{1}{3}x - 2$$

$$m_1 = 1/3$$



Algebra II Class Worksheet #3 Unit 2

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

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

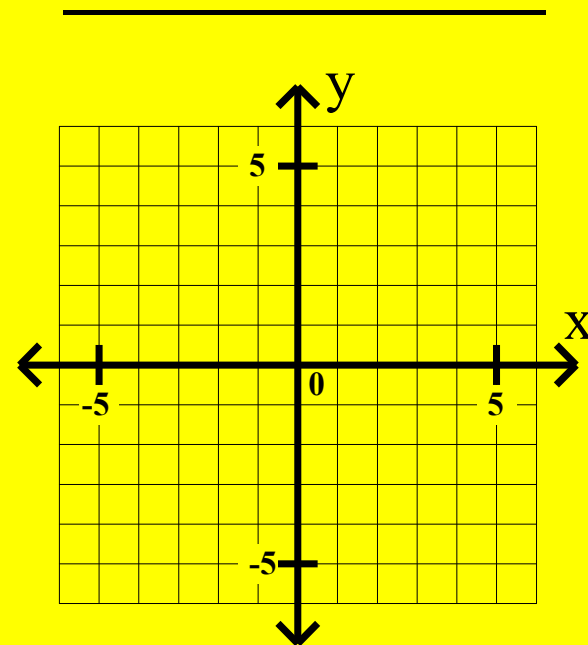
oblique line

$$x - 3y = 6$$

$$-3y = -x + 6$$

$$y = \frac{1}{3}x - 2$$

$$m_1 = 1/3$$



Algebra II Class Worksheet #3 Unit 2

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

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

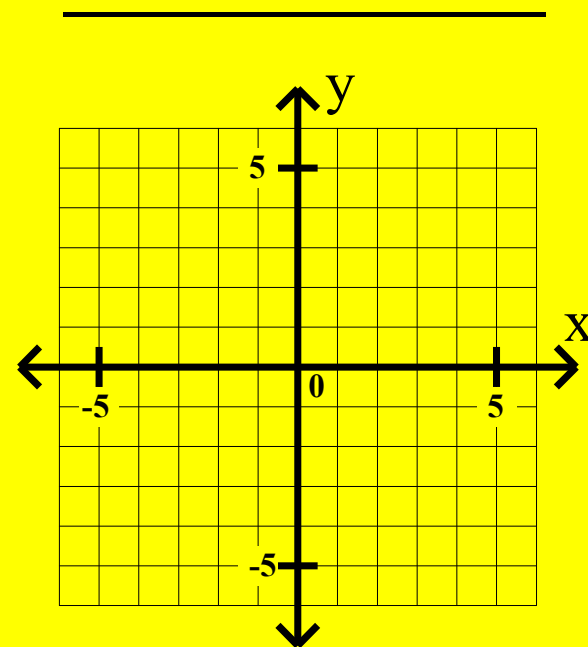
$$y = mx + b$$

$$x - 3y = 6$$

$$-3y = -x + 6$$

$$y = \frac{1}{3}x - 2$$

$$m_1 = 1/3$$



Algebra II Class Worksheet #3 Unit 2

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

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

$$y = mx + b$$

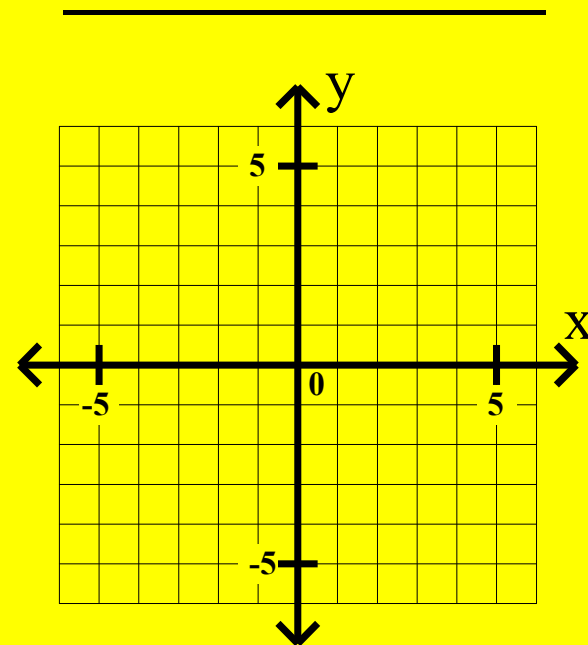
$$m_2 =$$

$$x - 3y = 6$$

$$-3y = -x + 6$$

$$y = \frac{1}{3}x - 2$$

$$m_1 = 1/3$$



Algebra II Class Worksheet #3 Unit 2

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

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

$$y = mx + b$$

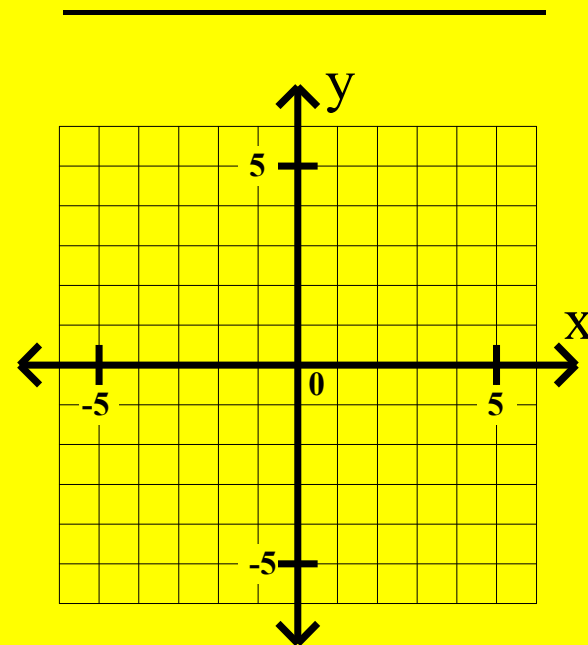
$$m_2 = 1/3$$

$$x - 3y = 6$$

$$-3y = -x + 6$$

$$y = \frac{1}{3}x - 2$$

$$m_1 = 1/3$$



Algebra II Class Worksheet #3 Unit 2

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

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

$$y = mx + b$$

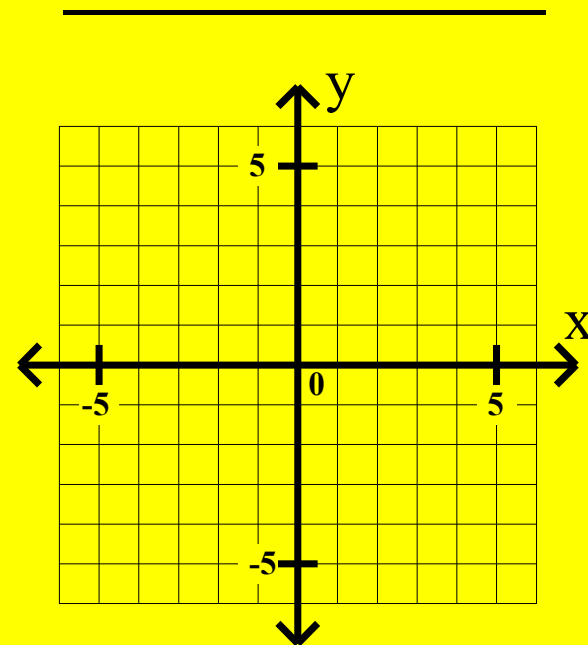
$$m_2 = 1/3$$

$$x - 3y = 6$$

$$-3y = -x + 6$$

$$y = \frac{1}{3}x - 2$$

$$m_1 = 1/3$$



Algebra II Class Worksheet #3 Unit 2

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

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

$$y = mx + b$$

$$m_2 = 1/3$$

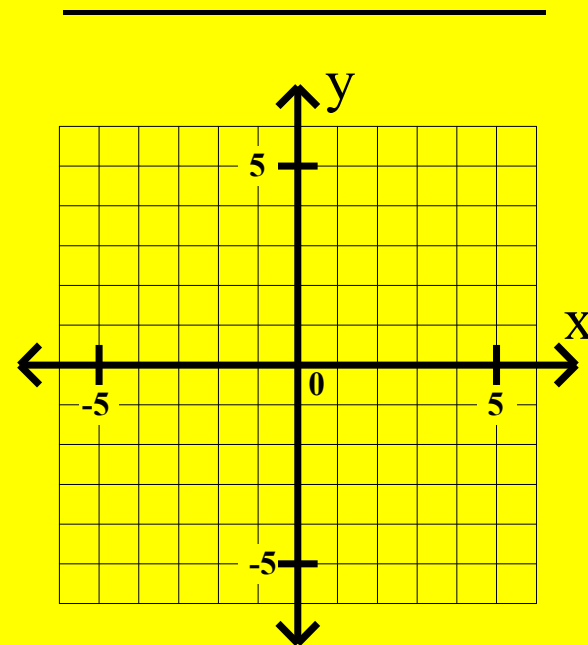
$$b = ?$$

$$x - 3y = 6$$

$$-3y = -x + 6$$

$$y = \frac{1}{3}x - 2$$

$$m_1 = 1/3$$



Algebra II Class Worksheet #3 Unit 2

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

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

$$y = mx + b$$

$$m_2 = 1/3$$

$$b = ?$$

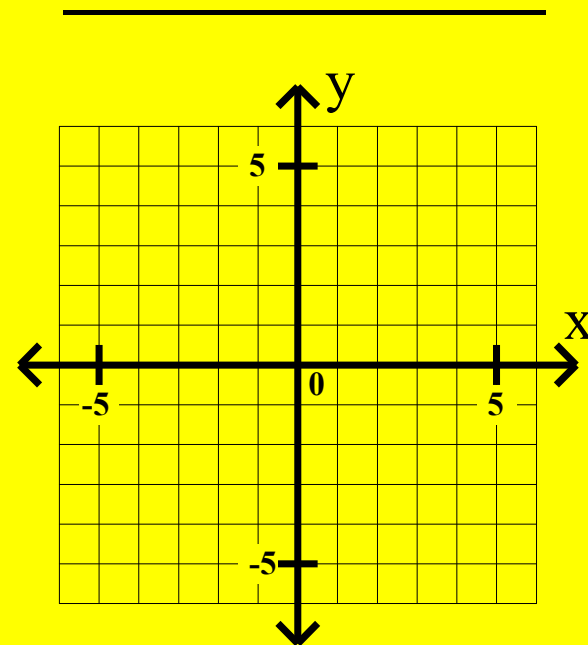
$$y - y_1 = m(x - x_1)$$

$$x - 3y = 6$$

$$-3y = -x + 6$$

$$y = \frac{1}{3}x - 2$$

$$m_1 = 1/3$$



Algebra II Class Worksheet #3 Unit 2

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

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

$$y = mx + b$$

$$m_2 = 1/3$$

$$b = ?$$

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

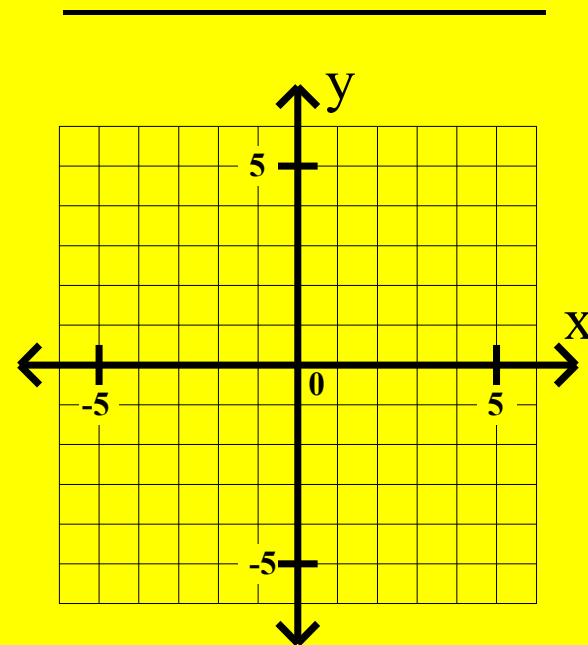
$$y - 5 =$$

$$x - 3y = 6$$

$$-3y = -x + 6$$

$$y = \frac{1}{3}x - 2$$

$$m_1 = 1/3$$



Algebra II Class Worksheet #3 Unit 2

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

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

$$y = mx + b$$

$$m_2 = 1/3$$

$$b = ?$$

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

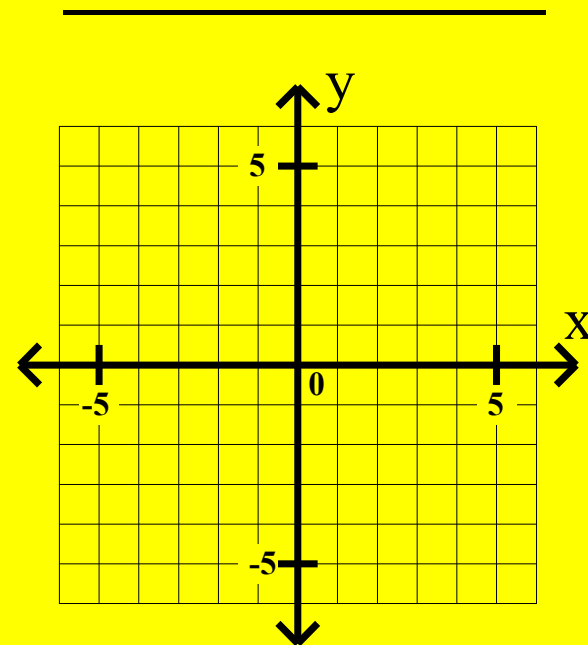
$$y - 5 = \frac{1}{3}(\quad)$$

$$x - 3y = 6$$

$$-3y = -x + 6$$

$$y = \frac{1}{3}x - 2$$

$$m_1 = 1/3$$



Algebra II Class Worksheet #3 Unit 2

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

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

$$y = mx + b$$

$$m_2 = 1/3$$

$$b = ?$$

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

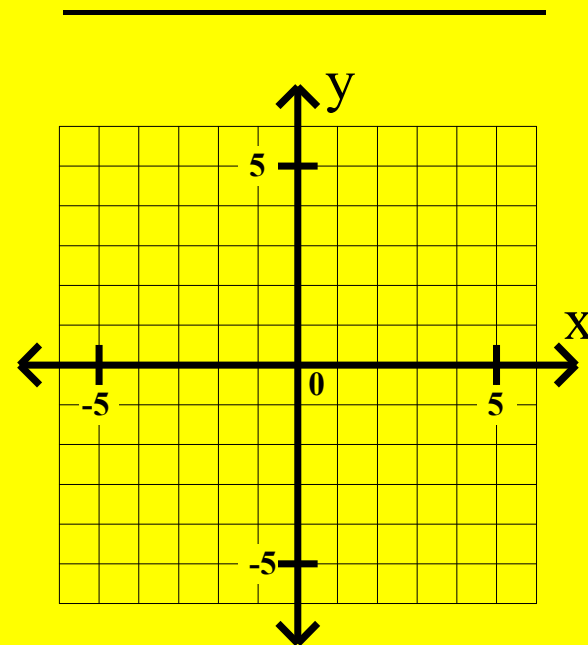
$$y - 5 = \frac{1}{3}(x - 2)$$

$$x - 3y = 6$$

$$-3y = -x + 6$$

$$y = \frac{1}{3}x - 2$$

$$m_1 = 1/3$$



Algebra II Class Worksheet #3 Unit 2

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

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

$$y = mx + b$$

$$m_2 = 1/3$$

$$b = ?$$

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

$$y - 5 = \frac{1}{3}(x - 2)$$

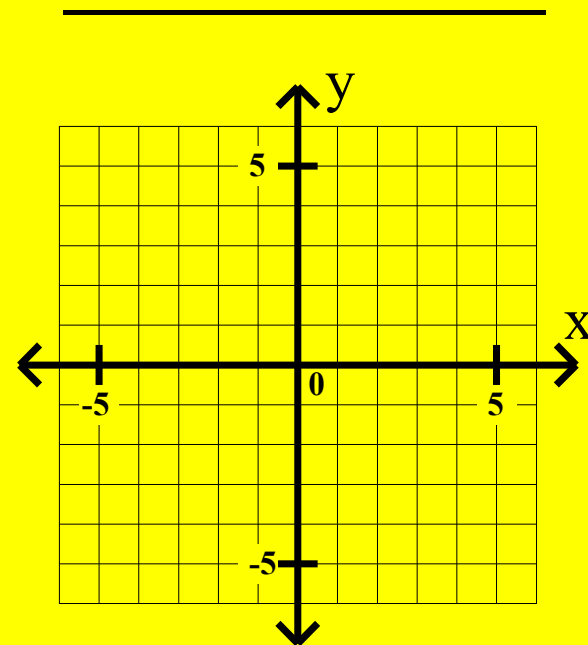
$$y - 5 =$$

$$x - 3y = 6$$

$$-3y = -x + 6$$

$$y = \frac{1}{3}x - 2$$

$$m_1 = 1/3$$



Algebra II Class Worksheet #3 Unit 2

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

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

$$y = mx + b$$

$$m_2 = 1/3$$

$$b = ?$$

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

$$y - 5 = \frac{1}{3}(x - 2)$$

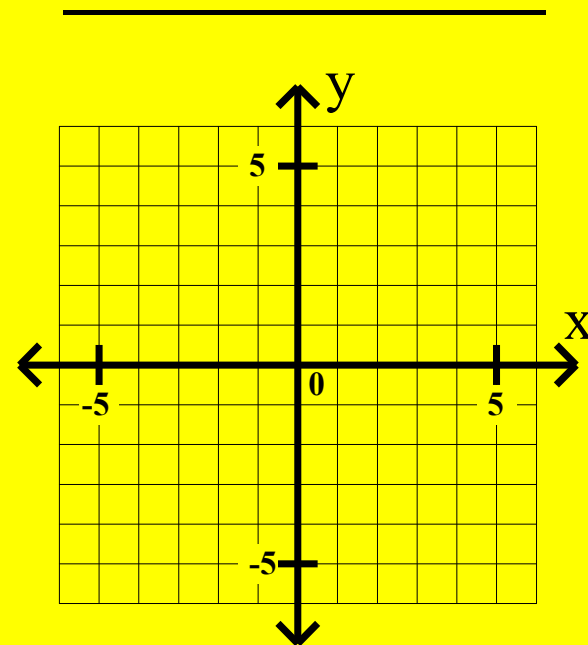
$$y - 5 = \frac{1}{3}x$$

$$x - 3y = 6$$

$$-3y = -x + 6$$

$$y = \frac{1}{3}x - 2$$

$$m_1 = 1/3$$



Algebra II Class Worksheet #3 Unit 2

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

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

$$y = mx + b$$

$$m_2 = 1/3$$

$$b = ?$$

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

$$y - 5 = \frac{1}{3}(x - 2)$$

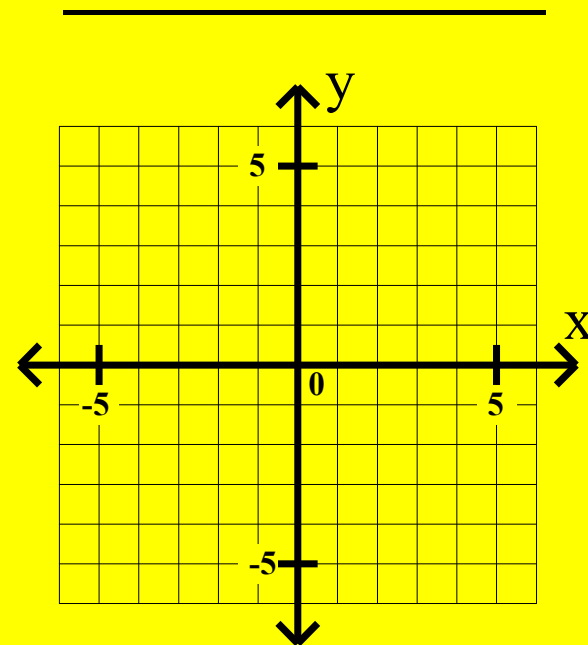
$$y - 5 = \frac{1}{3}x - \frac{2}{3}$$

$$x - 3y = 6$$

$$-3y = -x + 6$$

$$y = \frac{1}{3}x - 2$$

$$m_1 = 1/3$$



Algebra II Class Worksheet #3 Unit 2

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

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

$$y = mx + b$$

$$m_2 = 1/3$$

$$b = ?$$

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

$$y - 5 = \frac{1}{3}(x - 2)$$

$$y - 5 = \frac{1}{3}x - \frac{2}{3}$$

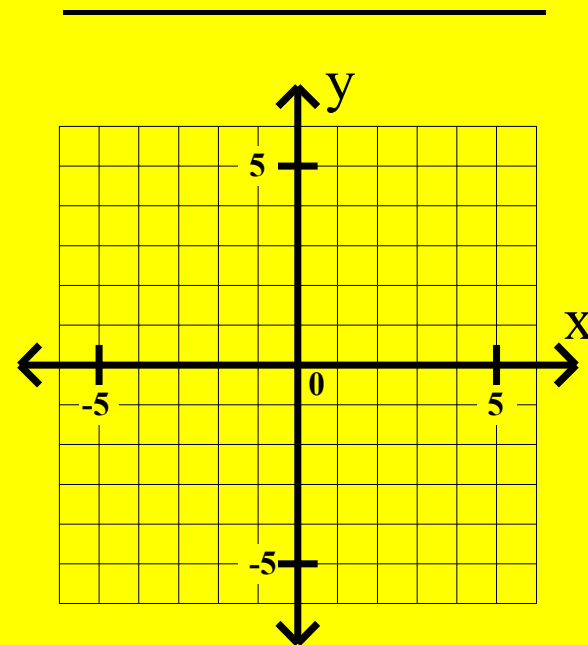
$$y =$$

$$x - 3y = 6$$

$$-3y = -x + 6$$

$$y = \frac{1}{3}x - 2$$

$$m_1 = 1/3$$



Algebra II Class Worksheet #3 Unit 2

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

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

$$y = mx + b$$

$$m_2 = 1/3$$

$$b = ?$$

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

$$y - 5 = \frac{1}{3}(x - 2)$$

$$y - 5 = \frac{1}{3}x - \frac{2}{3}$$

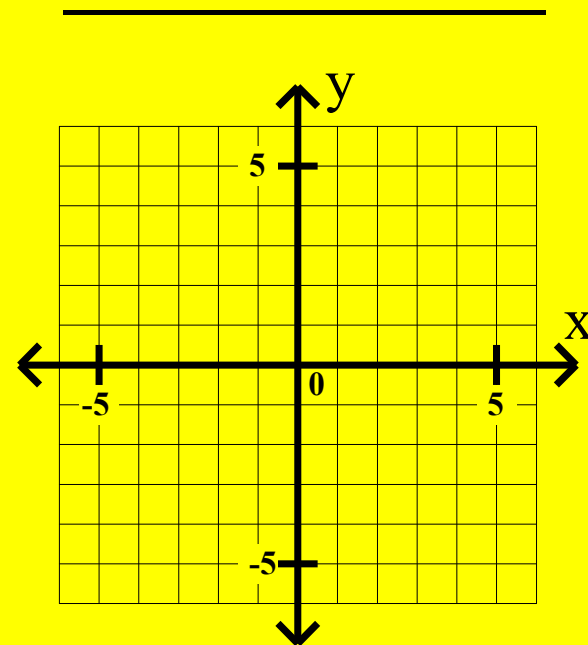
$$y = \frac{1}{3}x$$

$$x - 3y = 6$$

$$-3y = -x + 6$$

$$y = \frac{1}{3}x - 2$$

$$m_1 = 1/3$$



Algebra II Class Worksheet #3 Unit 2

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

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

$$y = mx + b$$

$$m_2 = 1/3$$

$$b = ?$$

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

$$y - 5 = \frac{1}{3}(x - 2)$$

$$y - 5 = \frac{1}{3}x - \frac{2}{3}$$

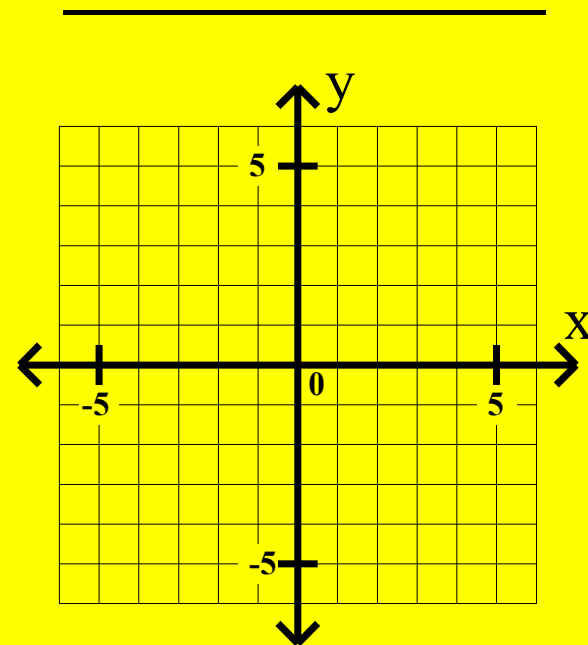
$$y = \frac{1}{3}x + \frac{13}{3}$$

$$x - 3y = 6$$

$$-3y = -x + 6$$

$$y = \frac{1}{3}x - 2$$

$$m_1 = 1/3$$



Algebra II Class Worksheet #3 Unit 2

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

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

$$y = mx + b$$

$$m_2 = 1/3$$

$$b = ?$$

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

$$y - 5 = \frac{1}{3}(x - 2)$$

$$y - 5 = \frac{1}{3}x - \frac{2}{3}$$

$$y = \frac{1}{3}x + \frac{13}{3}$$

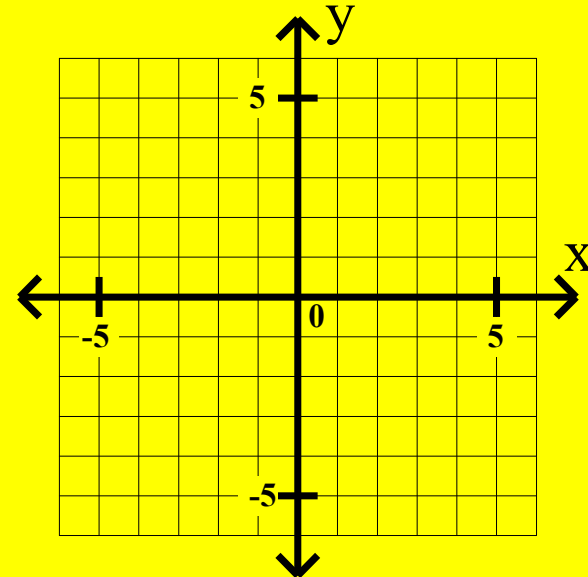
$$x - 3y = 6$$

$$-3y = -x + 6$$

$$y = \frac{1}{3}x - 2$$

$$m_1 = 1/3$$

$$y = \frac{1}{3}x + \frac{13}{3}$$



Algebra II Class Worksheet #3 Unit 2

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

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

$$y = mx + b$$

$$m_2 = 1/3$$

$$b = ?$$

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

$$y - 5 = \frac{1}{3}(x - 2)$$

$$y - 5 = \frac{1}{3}x - \frac{2}{3}$$

$$y = \frac{1}{3}x + \frac{13}{3}$$

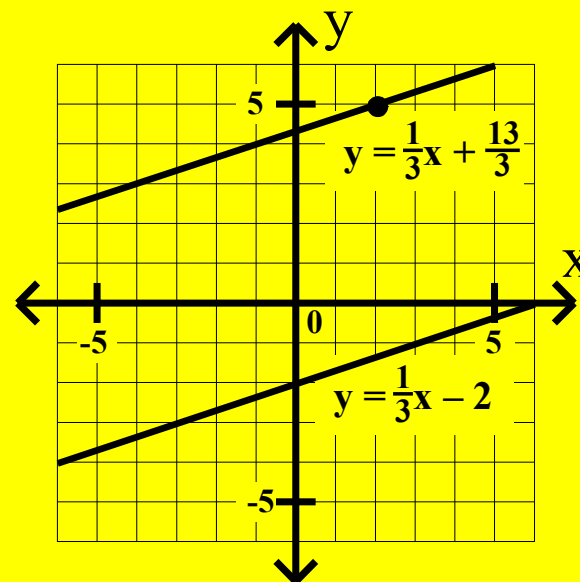
$$x - 3y = 6$$

$$-3y = -x + 6$$

$$y = \frac{1}{3}x - 2$$

$$m_1 = 1/3$$

$$y = \frac{1}{3}x + \frac{13}{3}$$



Algebra II Class Worksheet #3 Unit 2

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

3. The line through $(2, 5)$ parallel to $x - 3y = 6$

oblique line

$$y = mx + b$$

$$m_2 = 1/3$$

$$b = ?$$

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

$$y - 5 = \frac{1}{3}(x - 2)$$

$$y - 5 = \frac{1}{3}x - \frac{2}{3}$$

$$y = \frac{1}{3}x + \frac{13}{3}$$

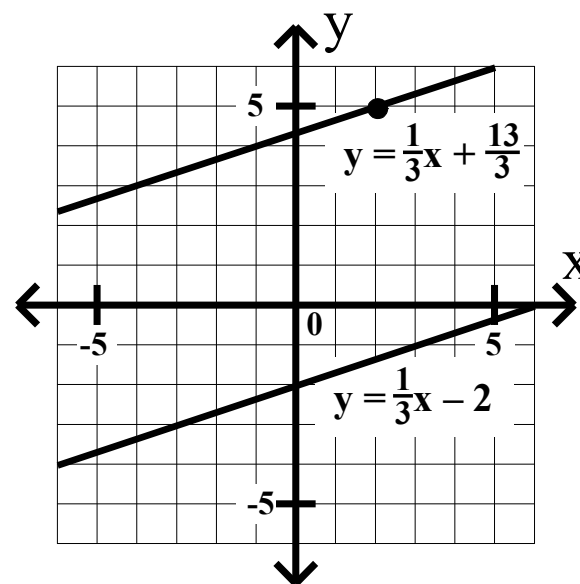
$$x - 3y = 6$$

$$-3y = -x + 6$$

$$y = \frac{1}{3}x - 2$$

$$m_1 = 1/3$$

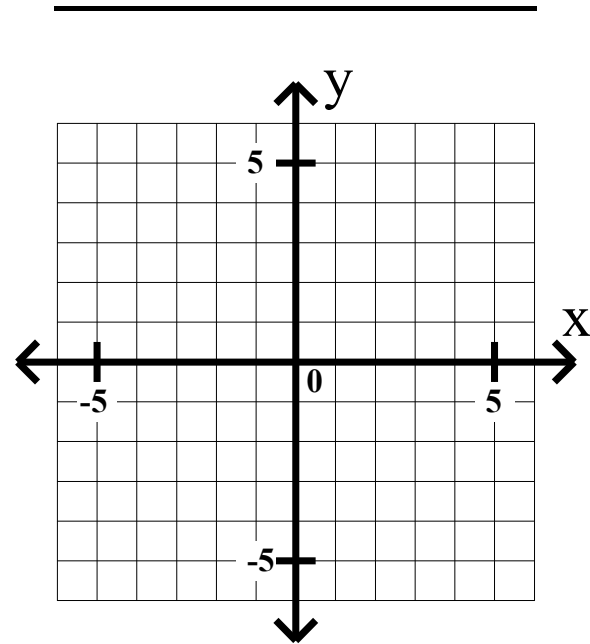
$$y = \frac{1}{3}x + \frac{13}{3}$$



Algebra II Class Worksheet #3 Unit 2

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

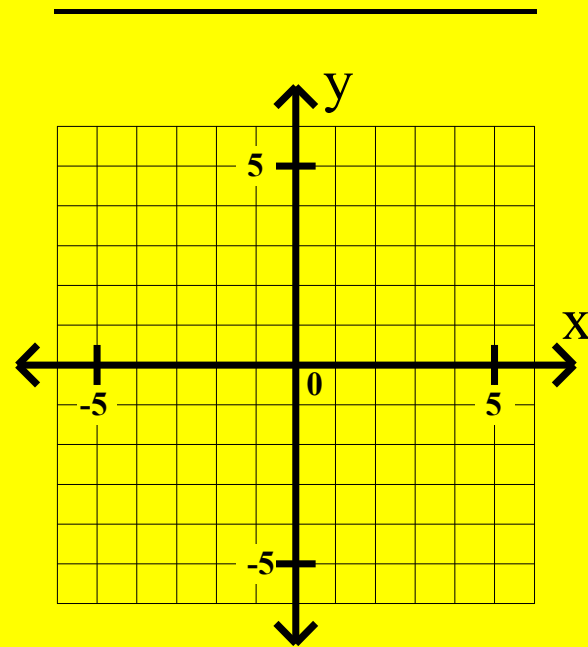
4. The line through $(0, 4)$ perpendicular to $2x - 3y = 9$



Algebra II Class Worksheet #3 Unit 2

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

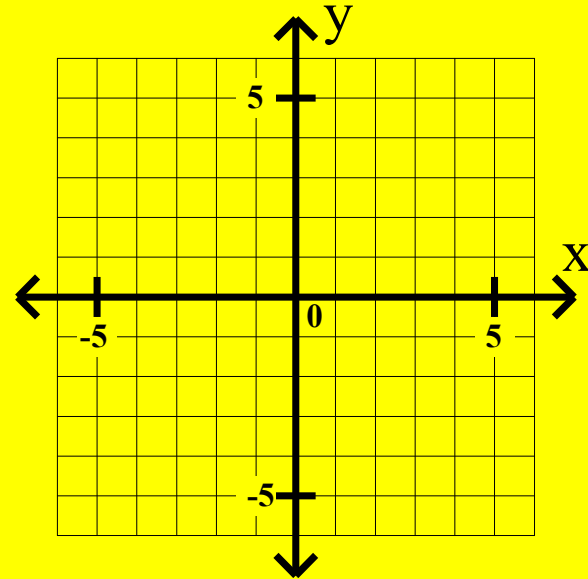
4. The line through $(0, 4)$ perpendicular to $2x - 3y = 9$



Algebra II Class Worksheet #3 Unit 2

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

4. The line through $(0, 4)$ perpendicular to $2x - 3y = 9$

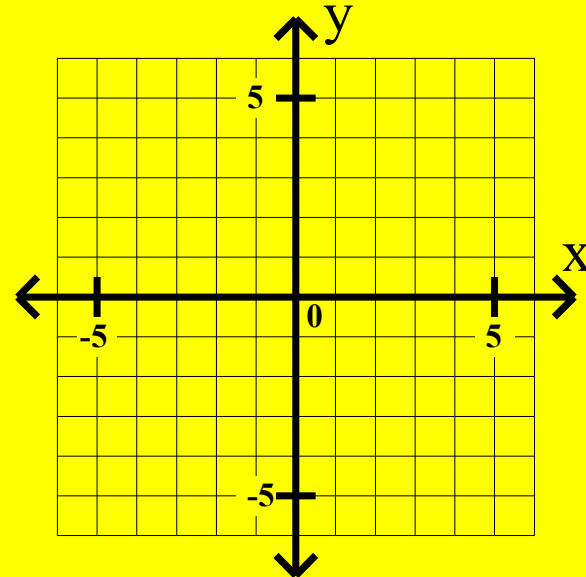


Algebra II Class Worksheet #3 Unit 2

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

4. The line through $(0, 4)$ perpendicular to $2x - 3y = 9$

oblique line



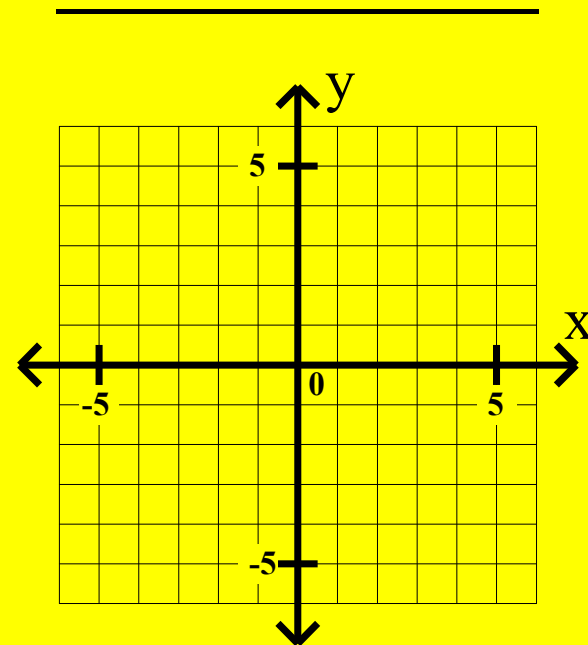
Algebra II Class Worksheet #3 Unit 2

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

4. The line through $(0, 4)$ perpendicular to $2x - 3y = 9$

oblique line

$$2x - 3y = 9$$



Algebra II Class Worksheet #3 Unit 2

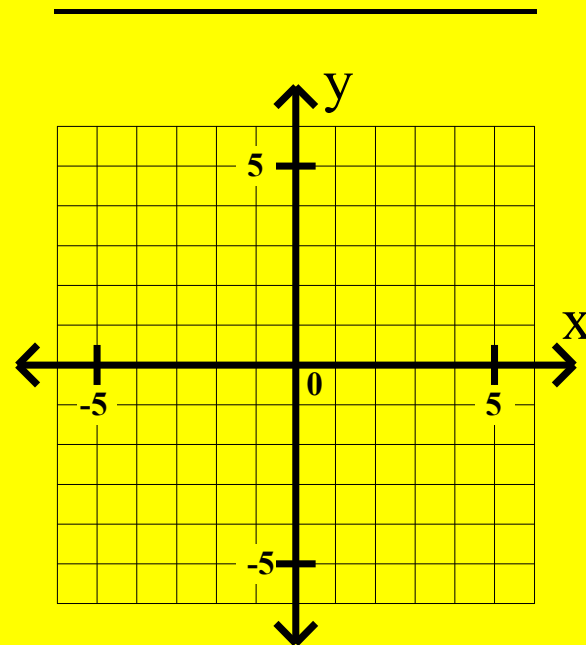
Write the equation of each line described. If the line is oblique, use slope-intercept form. Graph both equations.

4. The line through $(0, 4)$ perpendicular to $2x - 3y = 9$

oblique line

$$2x - 3y = 9$$

$$-3y =$$



Algebra II Class Worksheet #3 Unit 2

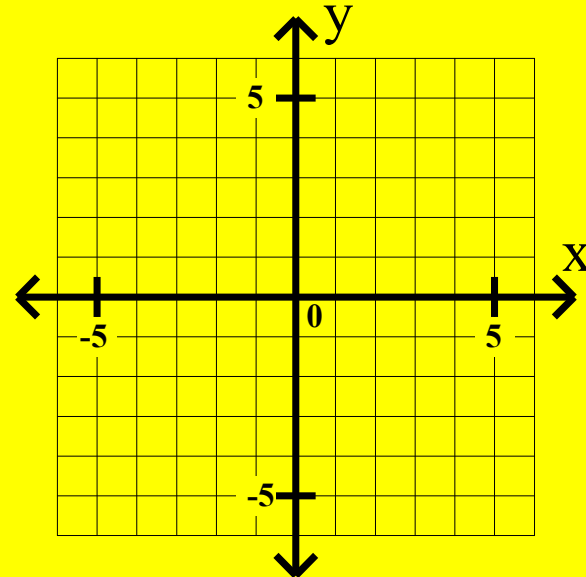
Write the equation of each line described. If the line is oblique, use slope-intercept form. Graph both equations.

4. The line through $(0, 4)$ perpendicular to $2x - 3y = 9$

oblique line

$$2x - 3y = 9$$

$$-3y = -2x$$



Algebra II Class Worksheet #3 Unit 2

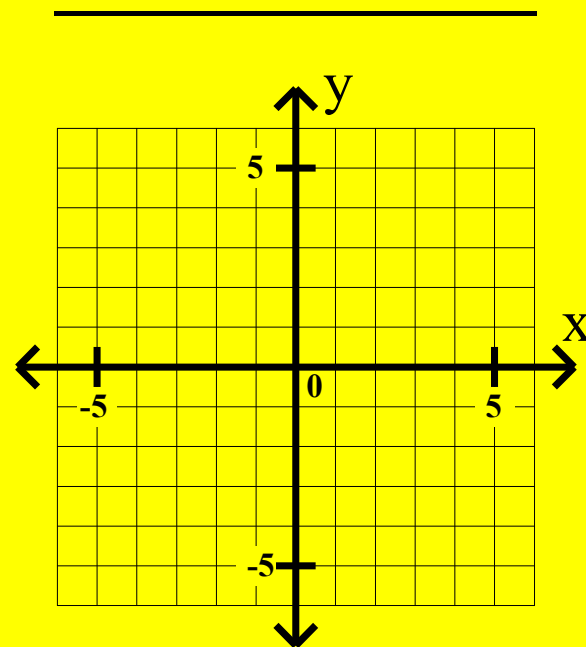
Write the equation of each line described. If the line is oblique, use slope-intercept form. Graph both equations.

4. The line through $(0, 4)$ perpendicular to $2x - 3y = 9$

oblique line

$$2x - 3y = 9$$

$$-3y = -2x + 9$$



Algebra II Class Worksheet #3 Unit 2

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

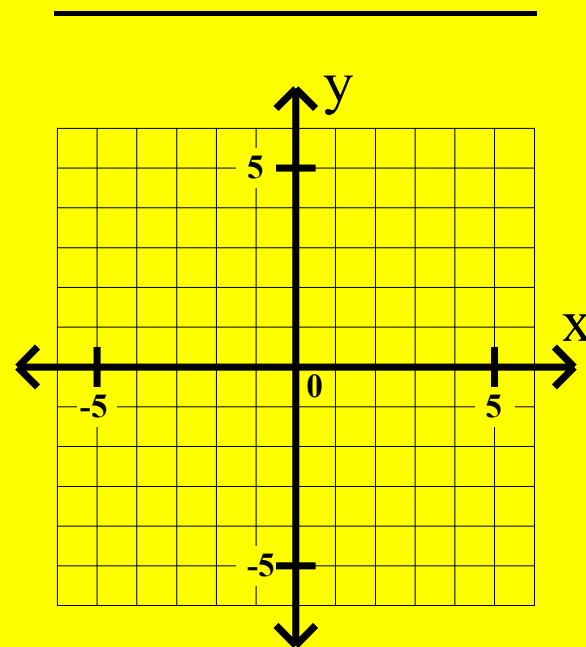
4. The line through $(0, 4)$ perpendicular to $2x - 3y = 9$

oblique line

$$2x - 3y = 9$$

$$-3y = -2x + 9$$

$$y =$$



Algebra II Class Worksheet #3 Unit 2

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

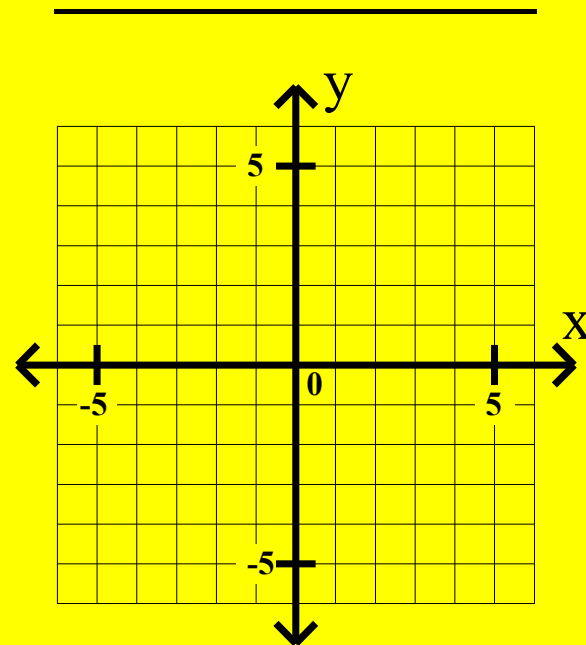
4. The line through $(0, 4)$ perpendicular to $2x - 3y = 9$

oblique line

$$2x - 3y = 9$$

$$-3y = -2x + 9$$

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



Algebra II Class Worksheet #3 Unit 2

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

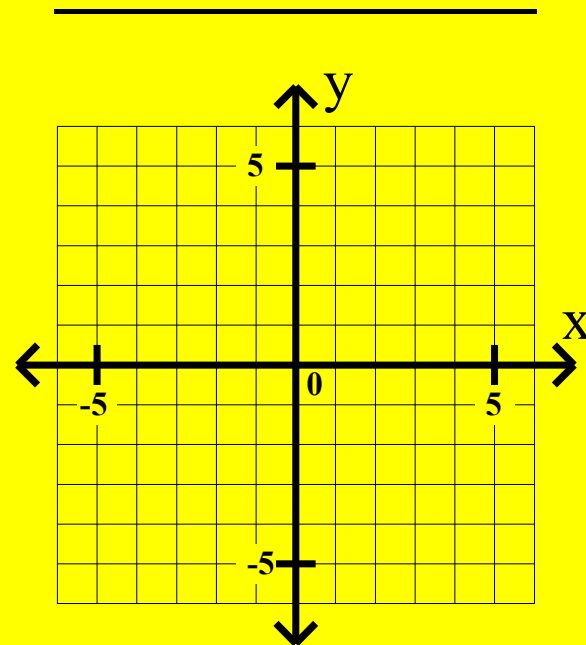
4. The line through $(0, 4)$ perpendicular to $2x - 3y = 9$

oblique line

$$2x - 3y = 9$$

$$-3y = -2x + 9$$

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



Algebra II Class Worksheet #3 Unit 2

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

4. The line through $(0, 4)$ perpendicular to $2x - 3y = 9$

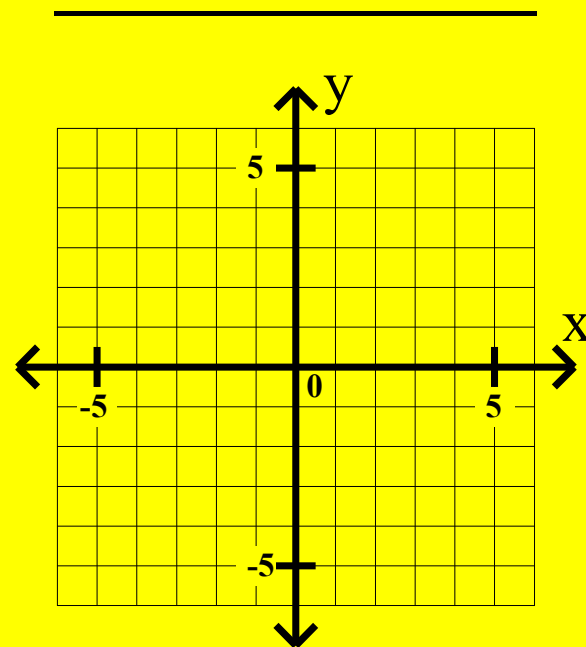
oblique line

$$2x - 3y = 9$$

$$-3y = -2x + 9$$

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

$$m_1 = 2/3$$



Algebra II Class Worksheet #3 Unit 2

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

4. The line through $(0, 4)$ perpendicular to $2x - 3y = 9$

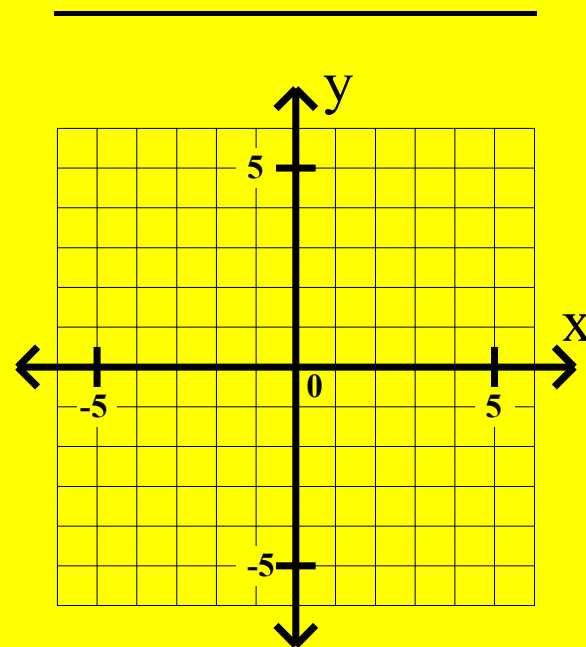
oblique line

$$2x - 3y = 9$$

$$-3y = -2x + 9$$

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

$$m_1 = 2/3$$



Algebra II Class Worksheet #3 Unit 2

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

4. The line through $(0, 4)$ perpendicular to $2x - 3y = 9$

oblique line

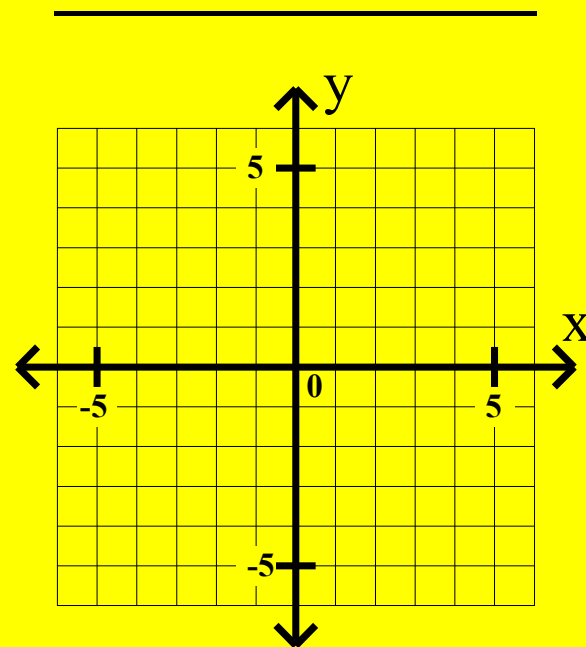
$$y = mx + b$$

$$2x - 3y = 9$$

$$-3y = -2x + 9$$

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

$$m_1 = 2/3$$



Algebra II Class Worksheet #3 Unit 2

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

4. The line through $(0, 4)$ perpendicular to $2x - 3y = 9$

oblique line

$$y = mx + b$$

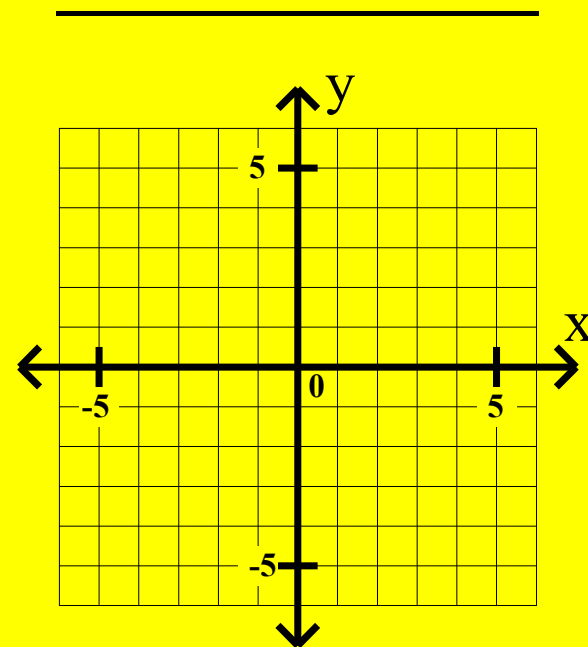
$$m_2 =$$

$$2x - 3y = 9$$

$$-3y = -2x + 9$$

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

$$m_1 = 2/3$$



Algebra II Class Worksheet #3 Unit 2

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

4. The line through $(0, 4)$ perpendicular to $2x - 3y = 9$

oblique line

$$y = mx + b$$

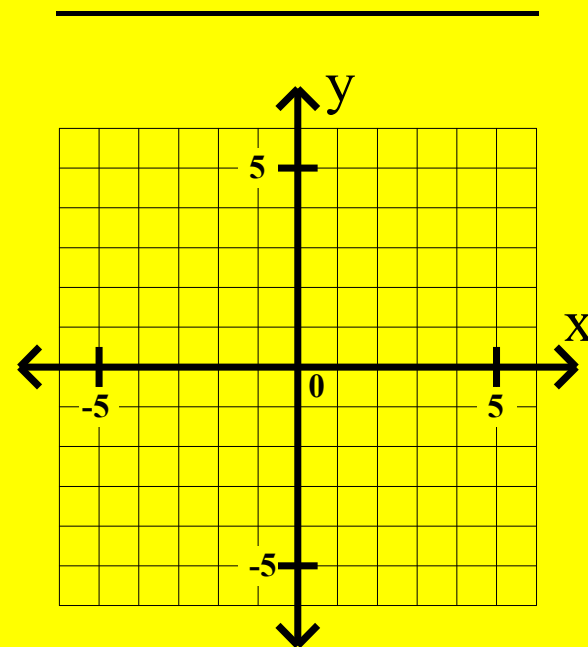
$$m_2 = -3/2$$

$$2x - 3y = 9$$

$$-3y = -2x + 9$$

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

$$m_1 = 2/3$$



Algebra II Class Worksheet #3 Unit 2

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

4. The line through $(0, 4)$ perpendicular to $2x - 3y = 9$

oblique line

$$y = mx + b$$

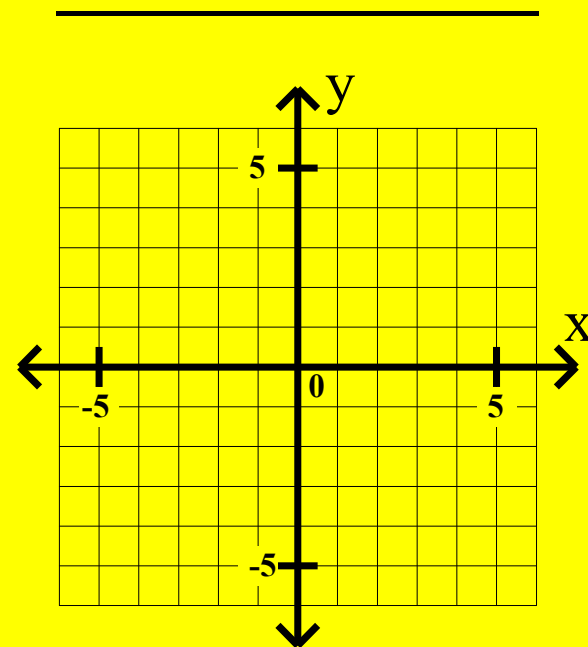
$$m_2 = -3/2$$

$$2x - 3y = 9$$

$$-3y = -2x + 9$$

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

$$m_1 = 2/3$$



Algebra II Class Worksheet #3 Unit 2

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

4. The line through $(0, 4)$ perpendicular to $2x - 3y = 9$

oblique line

$$y = mx + b$$

$$m_2 = -3/2$$

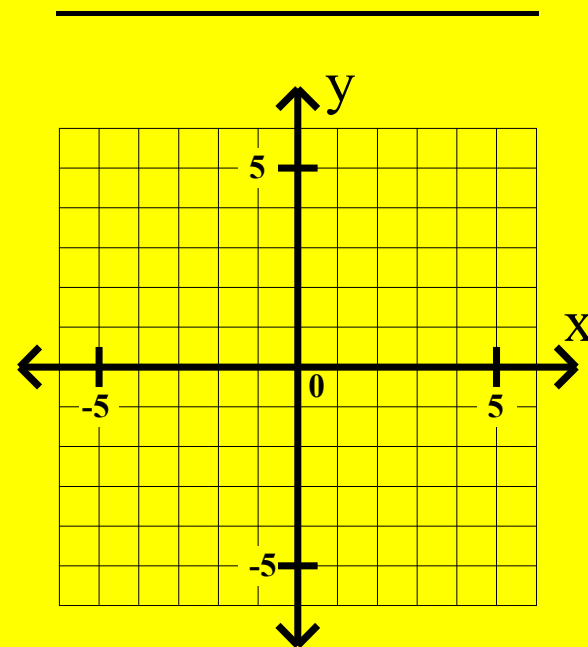
$$b = 4$$

$$2x - 3y = 9$$

$$-3y = -2x + 9$$

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

$$m_1 = 2/3$$



Algebra II Class Worksheet #3 Unit 2

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

4. The line through $(0, 4)$ perpendicular to $2x - 3y = 9$

oblique line

$$y = mx + b$$

$$m_2 = -3/2$$

$$b = 4$$

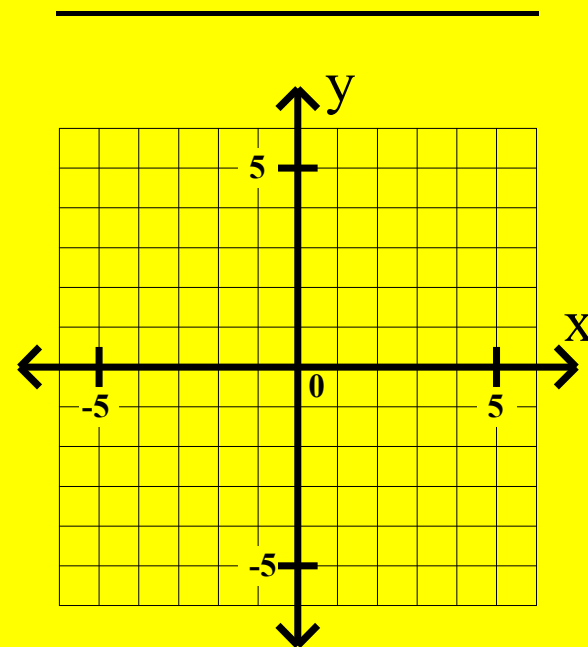
$$y =$$

$$2x - 3y = 9$$

$$-3y = -2x + 9$$

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

$$m_1 = 2/3$$



Algebra II Class Worksheet #3 Unit 2

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

4. The line through $(0, 4)$ perpendicular to $2x - 3y = 9$

oblique line

$$y = mx + b$$

$$m_2 = -3/2$$

$$b = 4$$

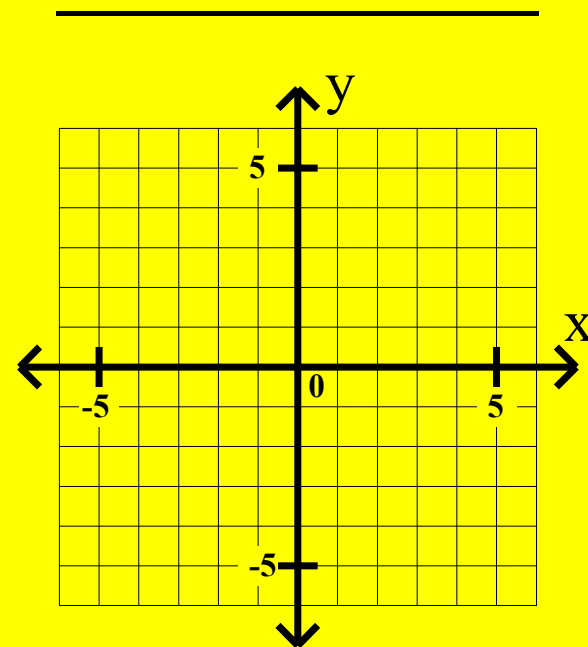
$$y = -\frac{3}{2}x + 4$$

$$2x - 3y = 9$$

$$-3y = -2x + 9$$

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

$$m_1 = 2/3$$



Algebra II Class Worksheet #3 Unit 2

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

4. The line through $(0, 4)$ perpendicular to $2x - 3y = 9$

oblique line

$$y = mx + b$$

$$m_2 = -3/2$$

$$b = 4$$

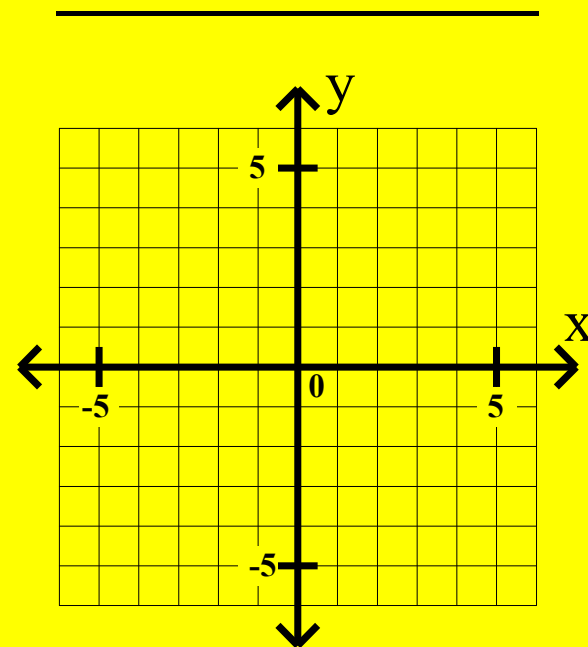
$$y = -\frac{3}{2}x + 4$$

$$2x - 3y = 9$$

$$-3y = -2x + 9$$

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

$$m_1 = 2/3$$



Algebra II Class Worksheet #3 Unit 2

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

4. The line through $(0, 4)$ perpendicular to $2x - 3y = 9$

oblique line

$$y = mx + b$$

$$m_2 = -3/2$$

$$b = 4$$

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

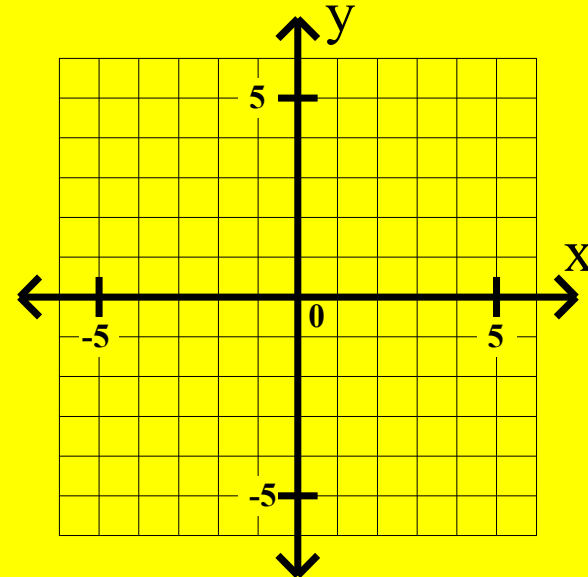
$$2x - 3y = 9$$

$$-3y = -2x + 9$$

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

$$m_1 = 2/3$$

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



Algebra II Class Worksheet #3 Unit 2

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

4. The line through $(0, 4)$ perpendicular to $2x - 3y = 9$

oblique line

$$y = mx + b$$

$$m_2 = -3/2$$

$$b = 4$$

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

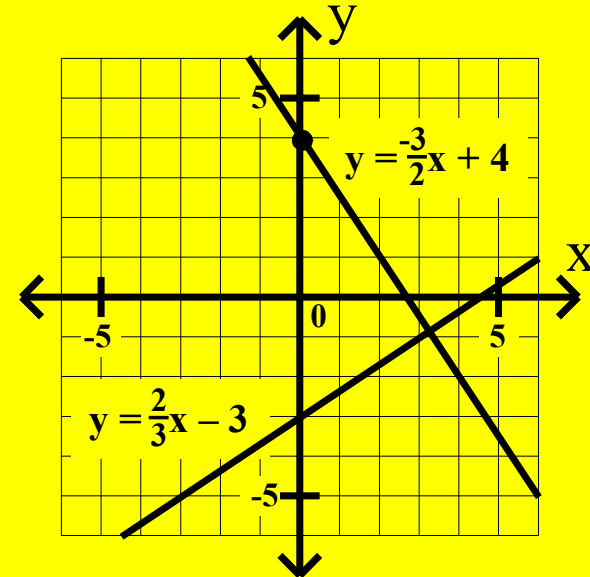
$$2x - 3y = 9$$

$$-3y = -2x + 9$$

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

$$m_1 = 2/3$$

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



Algebra II Class Worksheet #3 Unit 2

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

4. The line through $(0, 4)$ perpendicular to $2x - 3y = 9$

oblique line

$$y = mx + b$$

$$m_2 = -3/2$$

$$b = 4$$

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

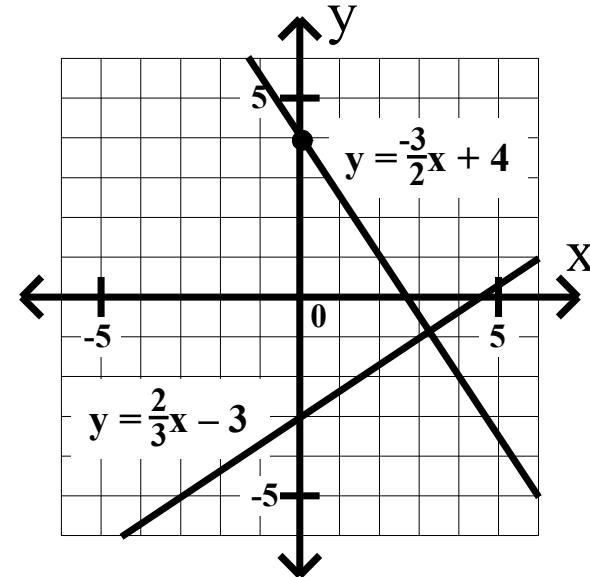
$$2x - 3y = 9$$

$$-3y = -2x + 9$$

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

$$m_1 = 2/3$$

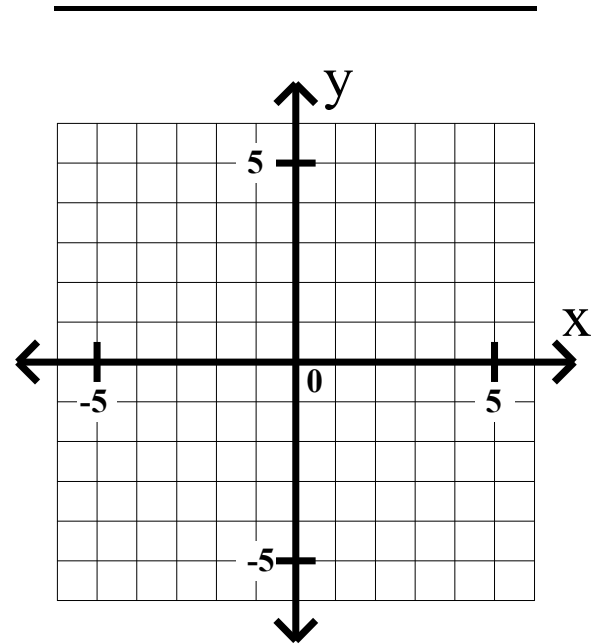
$$y = -\frac{3}{2}x + 4$$



Algebra II Class Worksheet #3 Unit 2

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

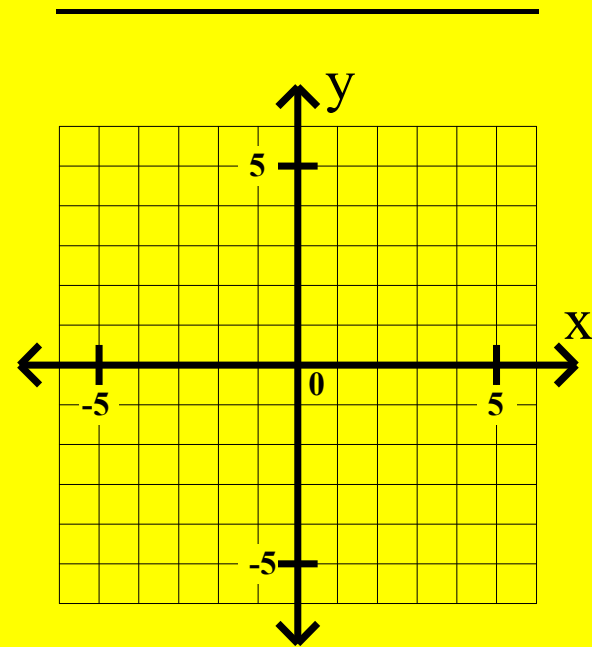
5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$



Algebra II Class Worksheet #3 Unit 2

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

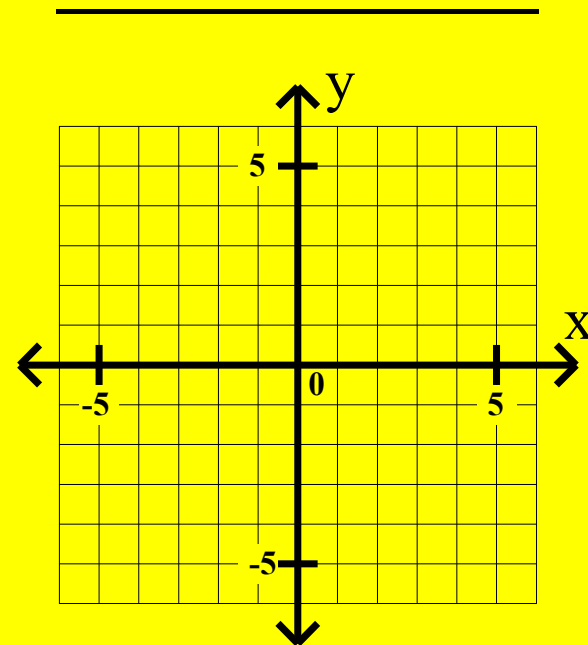
5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$



Algebra II Class Worksheet #3 Unit 2

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

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

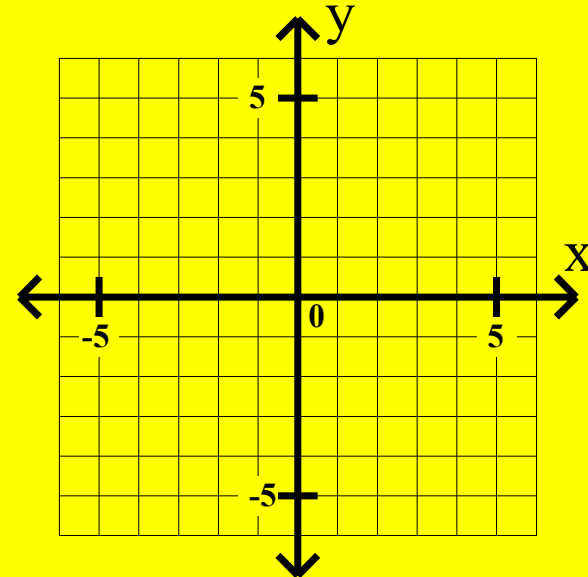


Algebra II Class Worksheet #3 Unit 2

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

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line



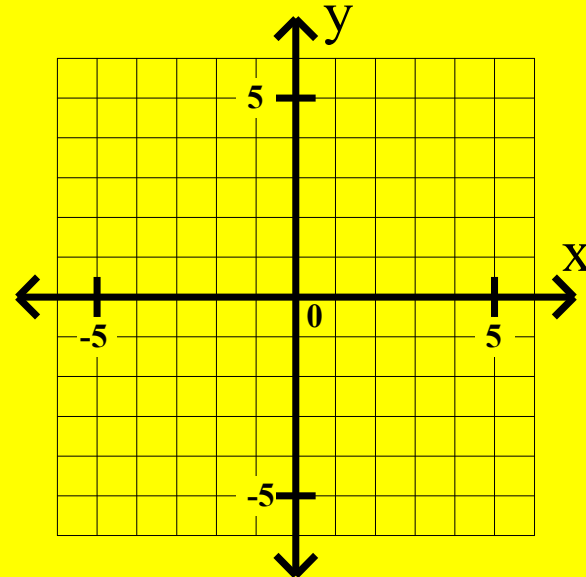
Algebra II Class Worksheet #3 Unit 2

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

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

$$5x + 2y = -8$$



Algebra II Class Worksheet #3 Unit 2

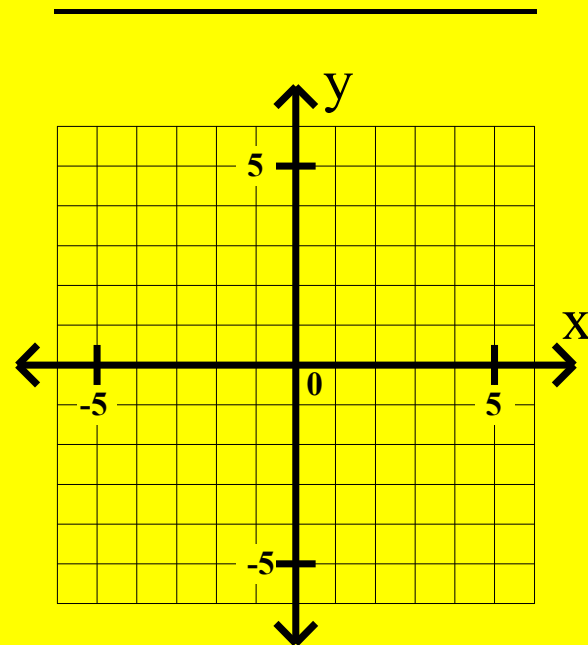
Write the equation of each line described. If the line is oblique, use slope-intercept form. Graph both equations.

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

$$5x + 2y = -8$$

$$2y =$$



Algebra II Class Worksheet #3 Unit 2

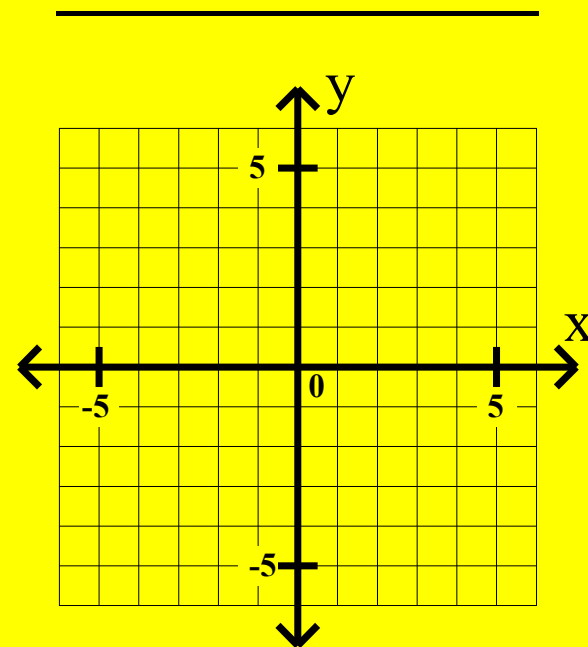
Write the equation of each line described. If the line is oblique, use slope-intercept form. Graph both equations.

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

$$5x + 2y = -8$$

$$2y = -5x$$



Algebra II Class Worksheet #3 Unit 2

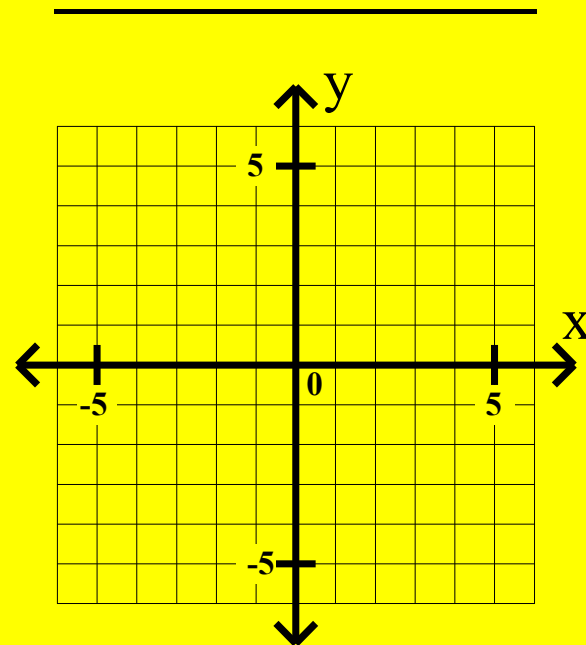
Write the equation of each line described. If the line is oblique, use slope-intercept form. Graph both equations.

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

$$5x + 2y = -8$$

$$2y = -5x - 8$$



Algebra II Class Worksheet #3 Unit 2

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

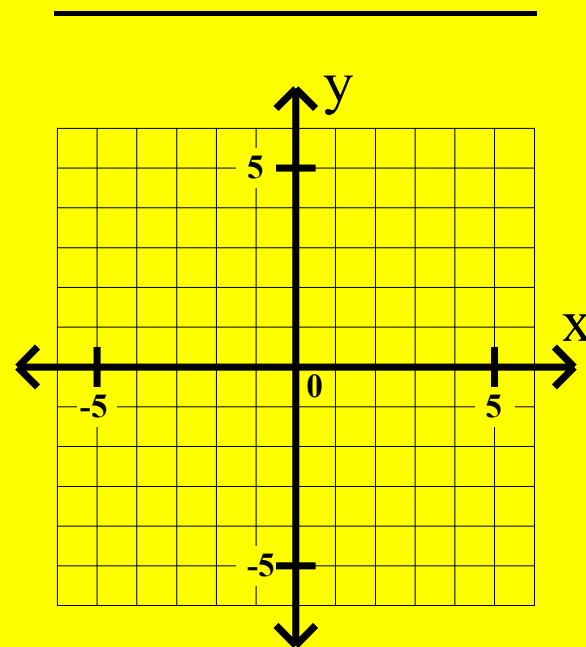
5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

$$5x + 2y = -8$$

$$2y = -5x - 8$$

$$y =$$



Algebra II Class Worksheet #3 Unit 2

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

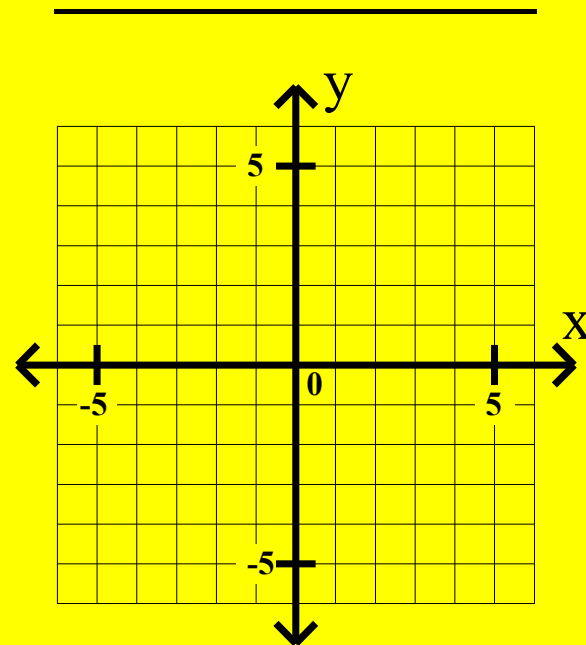
5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

$$5x + 2y = -8$$

$$2y = -5x - 8$$

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



Algebra II Class Worksheet #3 Unit 2

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

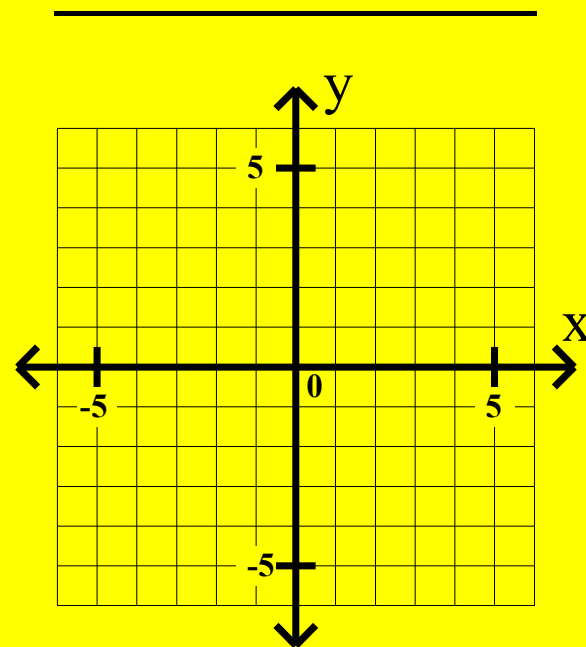
5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

$$5x + 2y = -8$$

$$2y = -5x - 8$$

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



Algebra II Class Worksheet #3 Unit 2

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

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

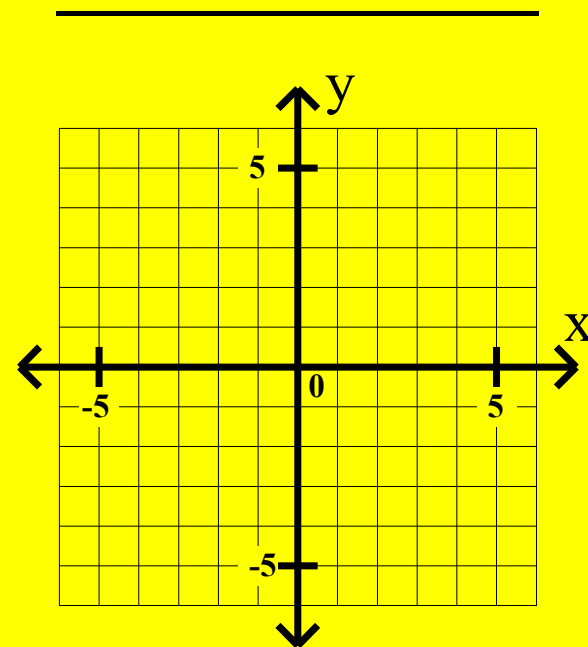
oblique line

$$5x + 2y = -8$$

$$2y = -5x - 8$$

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

$$m_1 = -5/2$$



Algebra II Class Worksheet #3 Unit 2

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

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

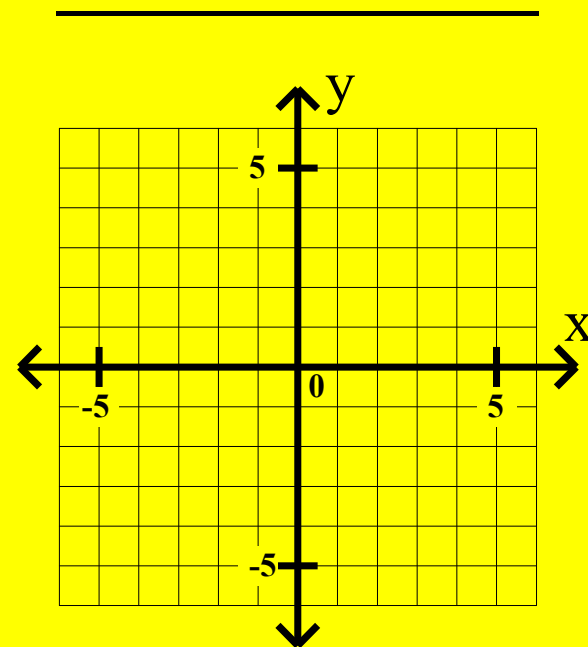
oblique line

$$5x + 2y = -8$$

$$2y = -5x - 8$$

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

$$m_1 = -5/2$$



Algebra II Class Worksheet #3 Unit 2

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

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

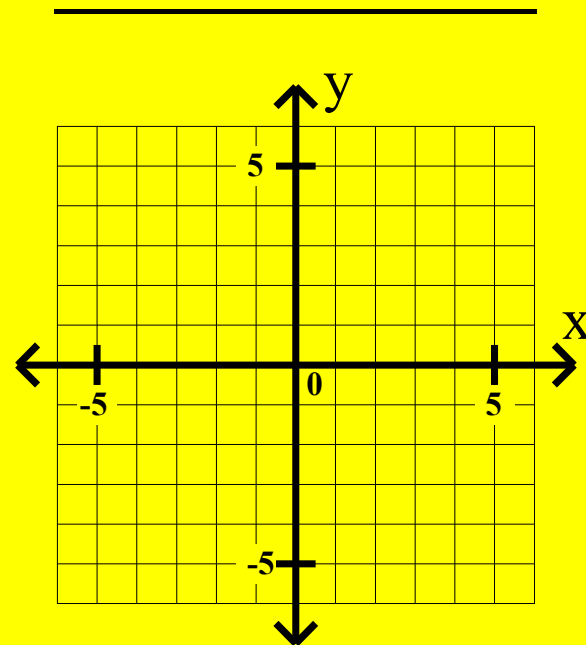
$$y = mx + b$$

$$5x + 2y = -8$$

$$2y = -5x - 8$$

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

$$m_1 = -5/2$$



Algebra II Class Worksheet #3 Unit 2

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

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

$$y = mx + b$$

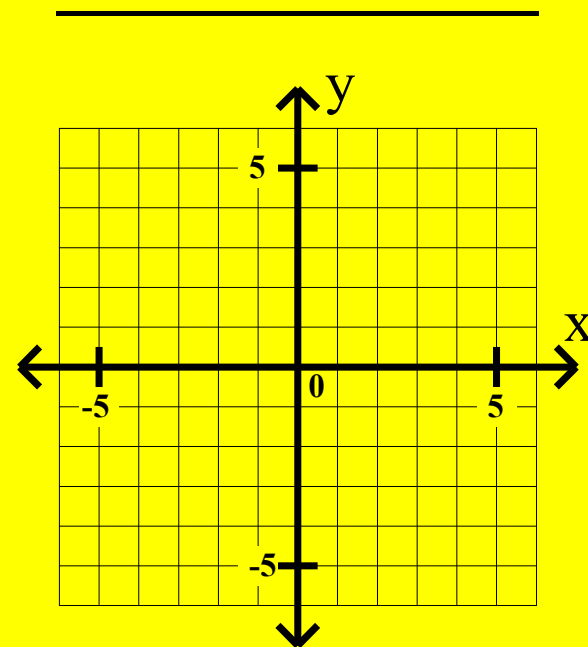
$$m_2 =$$

$$5x + 2y = -8$$

$$2y = -5x - 8$$

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

$$m_1 = -5/2$$



Algebra II Class Worksheet #3 Unit 2

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

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

$$y = mx + b$$

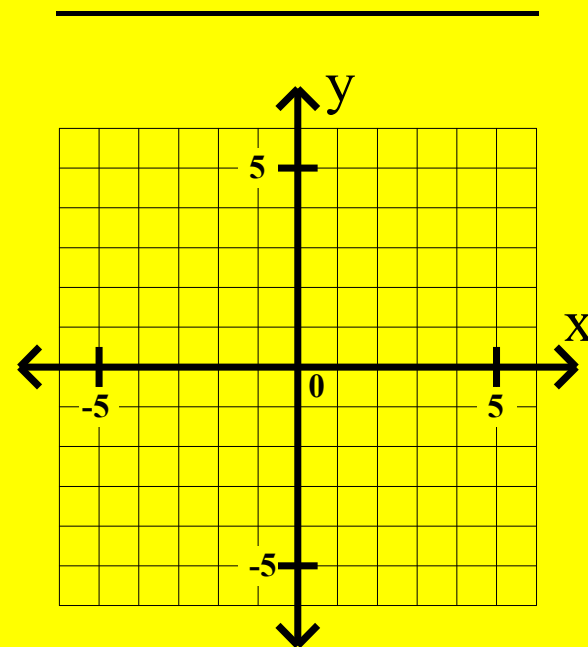
$$m_2 = 2/5$$

$$5x + 2y = -8$$

$$2y = -5x - 8$$

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

$$m_1 = -5/2$$



Algebra II Class Worksheet #3 Unit 2

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

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

$$y = mx + b$$

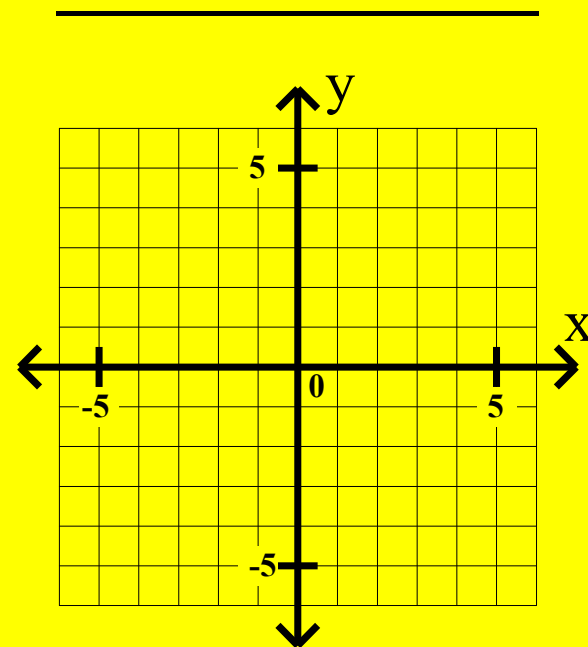
$$m_2 = 2/5$$

$$5x + 2y = -8$$

$$2y = -5x - 8$$

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

$$m_1 = -5/2$$



Algebra II Class Worksheet #3 Unit 2

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

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

$$y = mx + b$$

$$m_2 = 2/5$$

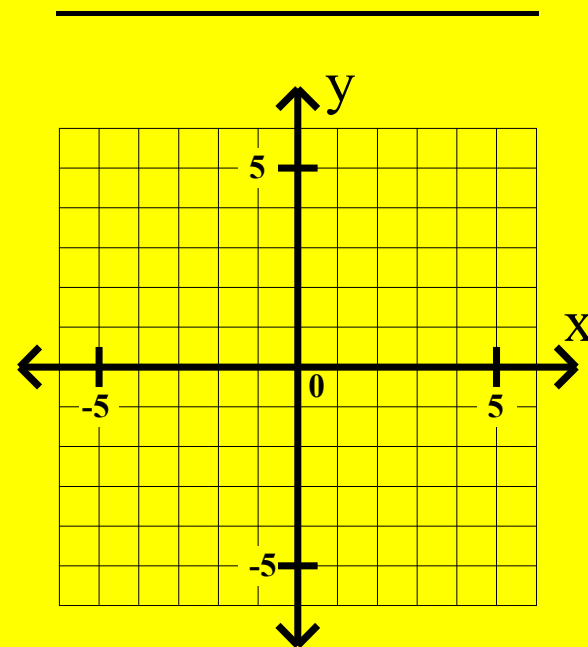
$$b = ?$$

$$5x + 2y = -8$$

$$2y = -5x - 8$$

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

$$m_1 = -5/2$$



Algebra II Class Worksheet #3 Unit 2

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

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

$$y = mx + b$$

$$m_2 = 2/5$$

$$b = ?$$

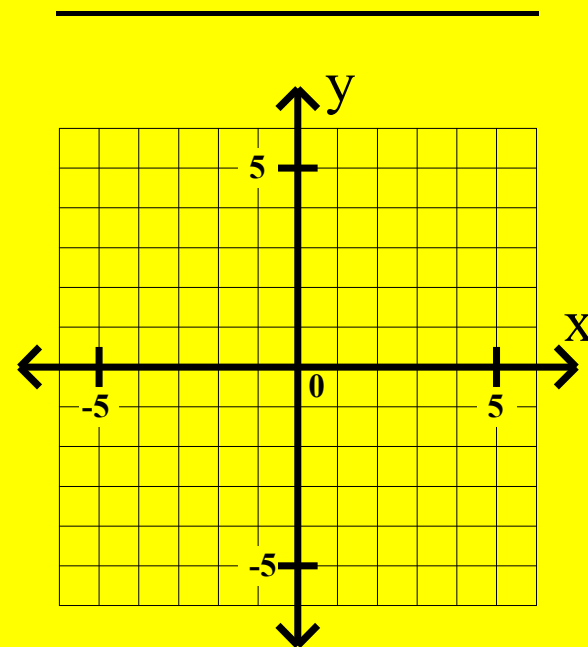
$$y - y_1 = m(x - x_1)$$

$$5x + 2y = -8$$

$$2y = -5x - 8$$

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

$$m_1 = -5/2$$



Algebra II Class Worksheet #3 Unit 2

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

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

$$y = mx + b$$

$$m_2 = 2/5$$

$$b = ?$$

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

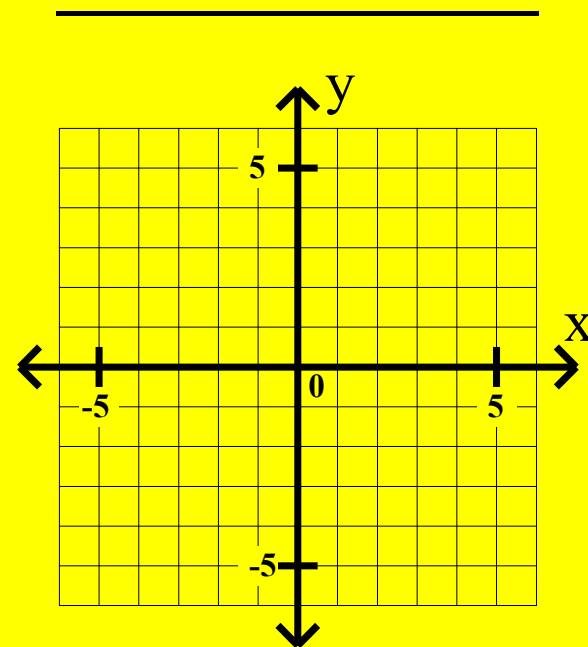
$$y - -2 =$$

$$5x + 2y = -8$$

$$2y = -5x - 8$$

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

$$m_1 = -5/2$$



Algebra II Class Worksheet #3 Unit 2

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

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

$$y = mx + b$$

$$m_2 = 2/5$$

$$b = ?$$

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

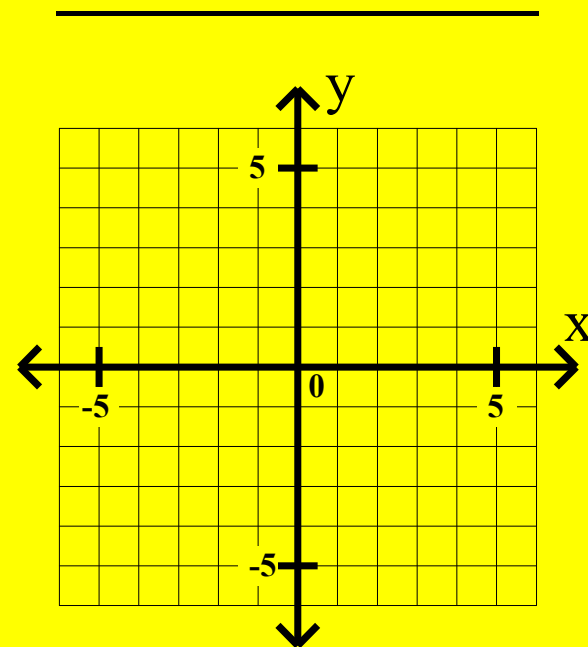
$$y - -2 = \frac{2}{5}(\quad)$$

$$5x + 2y = -8$$

$$2y = -5x - 8$$

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

$$m_1 = -5/2$$



Algebra II Class Worksheet #3 Unit 2

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

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

$$y = mx + b$$

$$m_2 = 2/5$$

$$b = ?$$

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

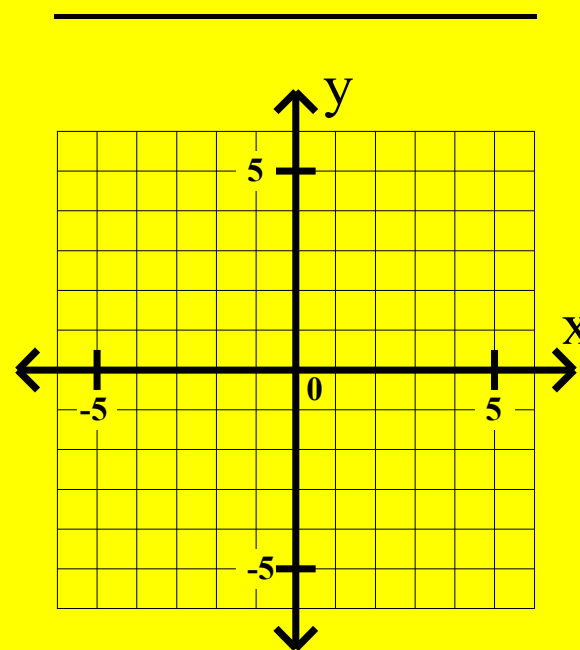
$$y - -2 = \frac{2}{5}(x - 5)$$

$$5x + 2y = -8$$

$$2y = -5x - 8$$

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

$$m_1 = -5/2$$



Algebra II Class Worksheet #3 Unit 2

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

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

$$y = mx + b$$

$$m_2 = 2/5$$

$$b = ?$$

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

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

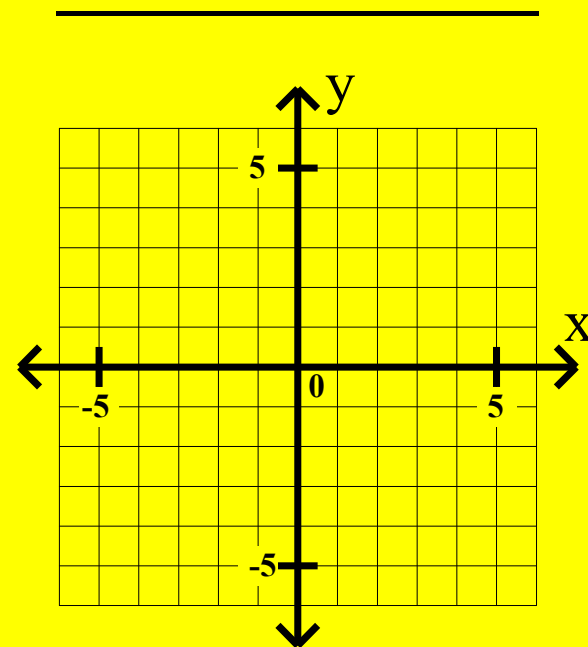
$$y + 2 =$$

$$5x + 2y = -8$$

$$2y = -5x - 8$$

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

$$m_1 = -5/2$$



Algebra II Class Worksheet #3 Unit 2

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

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

$$y = mx + b$$

$$m_2 = 2/5$$

$$b = ?$$

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

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

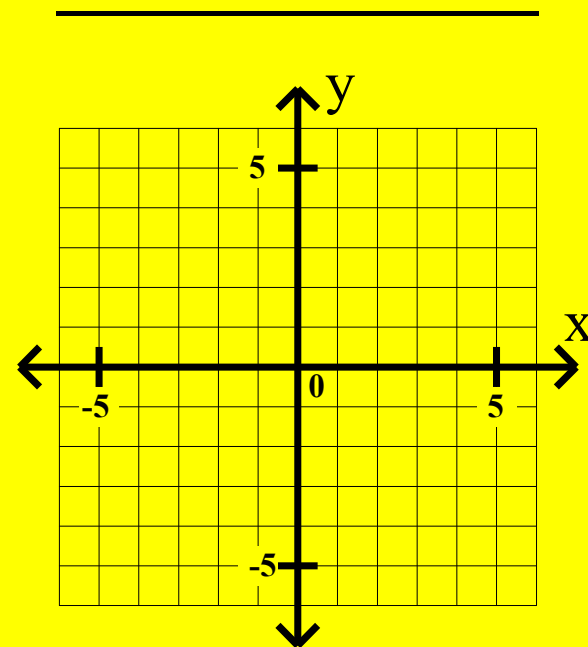
$$y + 2 = \frac{2}{5}x$$

$$5x + 2y = -8$$

$$2y = -5x - 8$$

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

$$m_1 = -5/2$$



Algebra II Class Worksheet #3 Unit 2

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

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

$$y = mx + b$$

$$m_2 = 2/5$$

$$b = ?$$

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

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

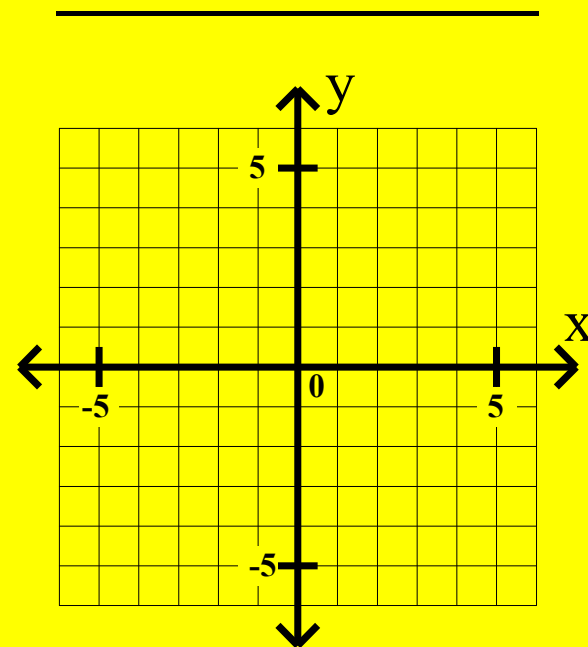
$$y + 2 = \frac{2}{5}x - 2$$

$$5x + 2y = -8$$

$$2y = -5x - 8$$

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

$$m_1 = -5/2$$



Algebra II Class Worksheet #3 Unit 2

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

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

$$y = mx + b$$

$$m_2 = 2/5$$

$$b = ?$$

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

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

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

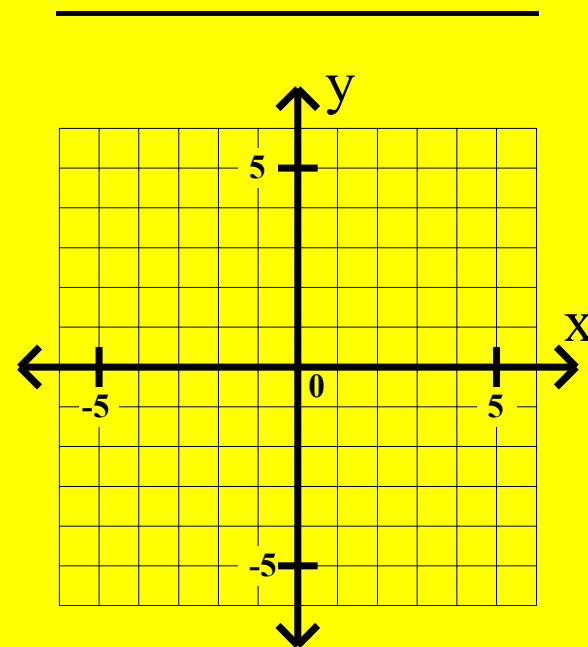
$$y =$$

$$5x + 2y = -8$$

$$2y = -5x - 8$$

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

$$m_1 = -5/2$$



Algebra II Class Worksheet #3 Unit 2

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

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

$$y = mx + b$$

$$m_2 = 2/5$$

$$b = ?$$

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

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

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

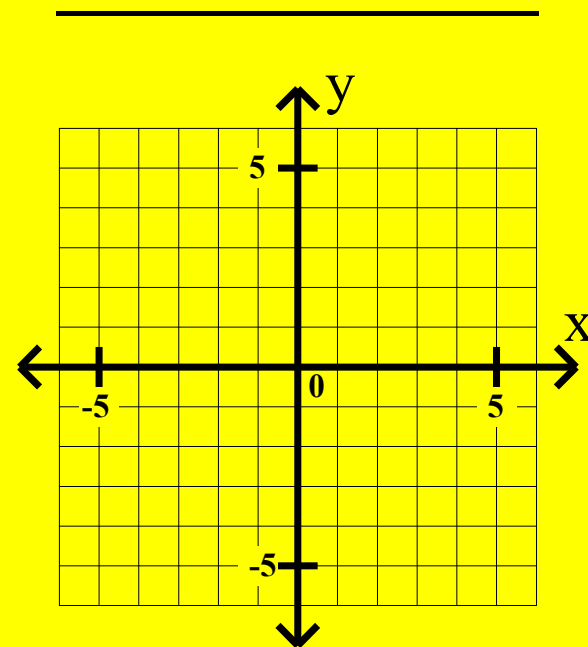
$$y = \frac{2}{5}x$$

$$5x + 2y = -8$$

$$2y = -5x - 8$$

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

$$m_1 = -5/2$$



Algebra II Class Worksheet #3 Unit 2

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

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

$$y = mx + b$$

$$m_2 = 2/5$$

$$b = ?$$

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

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

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

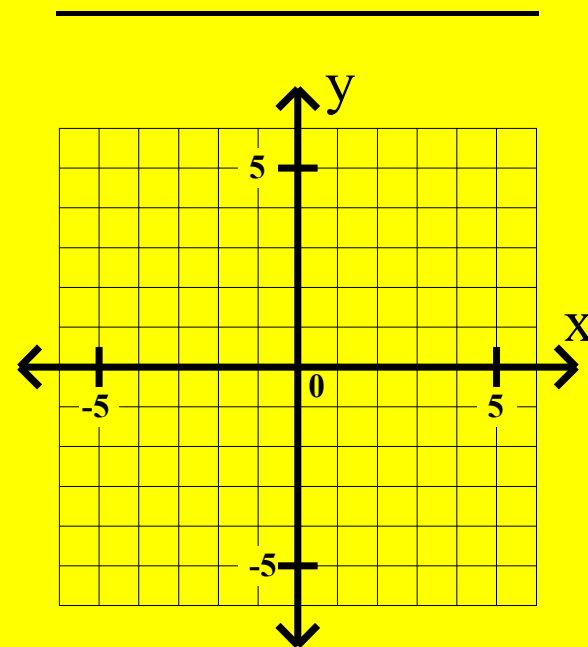
$$y = \frac{2}{5}x - 4$$

$$5x + 2y = -8$$

$$2y = -5x - 8$$

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

$$m_1 = -5/2$$



Algebra II Class Worksheet #3 Unit 2

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

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

$$y = mx + b$$

$$m_2 = 2/5$$

$$b = ?$$

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

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

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

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

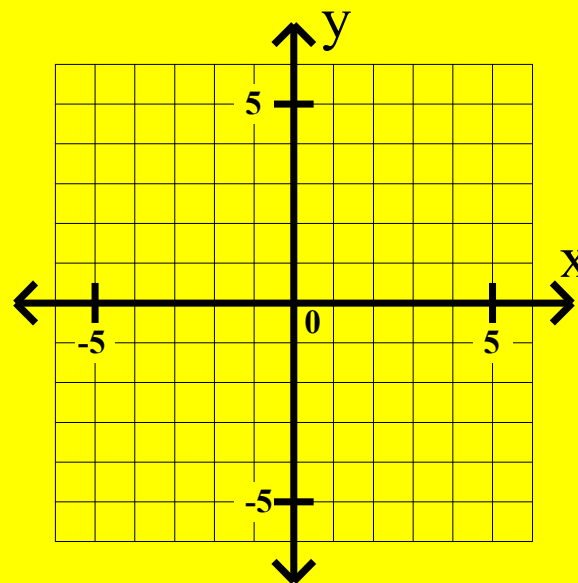
$$5x + 2y = -8$$

$$2y = -5x - 8$$

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

$$m_1 = -5/2$$

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



Algebra II Class Worksheet #3 Unit 2

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

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

$$y = mx + b$$

$$m_2 = 2/5$$

$$b = ?$$

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

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

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

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

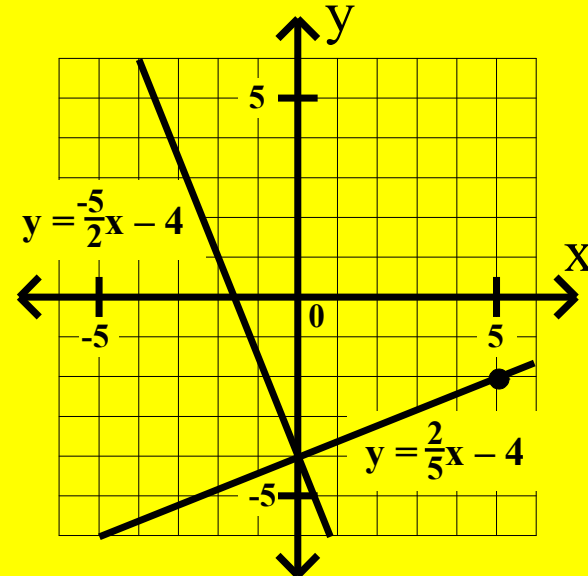
$$5x + 2y = -8$$

$$2y = -5x - 8$$

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

$$m_1 = -5/2$$

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



Algebra II Class Worksheet #3 Unit 2

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

5. The line through $(5, -2)$ perpendicular to $5x + 2y = -8$

oblique line

$$y = mx + b$$

$$m_2 = 2/5$$

$$b = ?$$

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

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

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

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

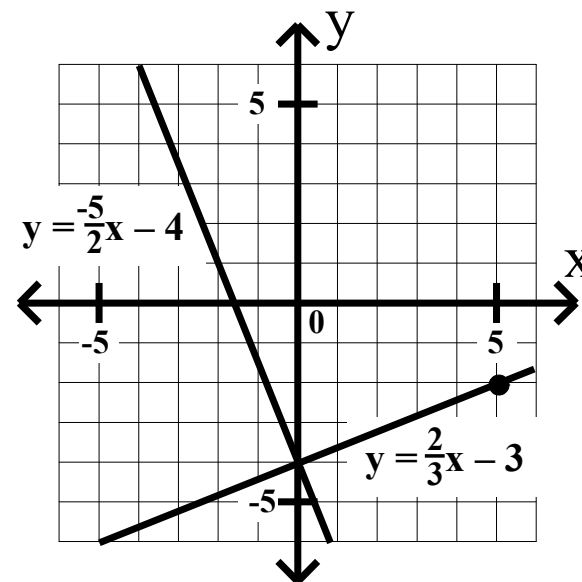
$$5x + 2y = -8$$

$$2y = -5x - 8$$

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

$$m_1 = -5/2$$

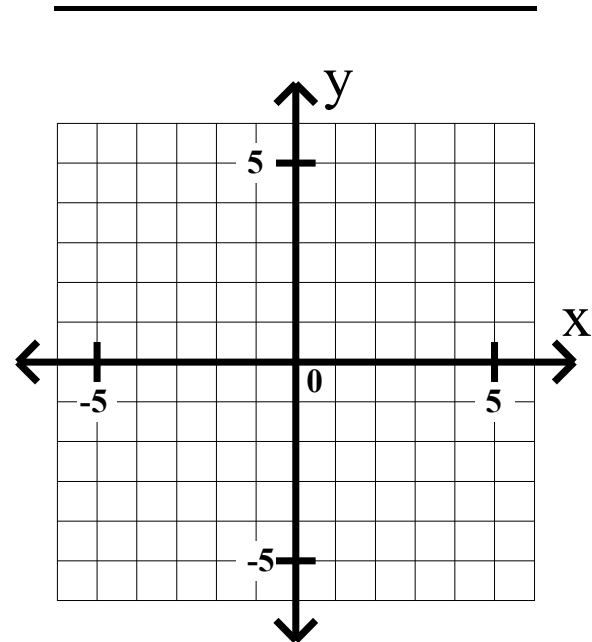
$$y = \frac{2}{5}x - 4$$



Algebra II Class Worksheet #3 Unit 2

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

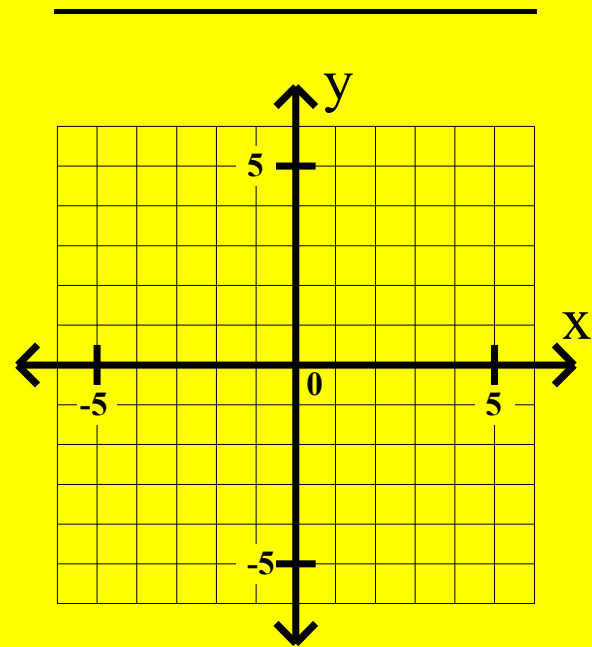
6. The line through $(1 , -3)$ perpendicular to $3x - y = 2$



Algebra II Class Worksheet #3 Unit 2

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

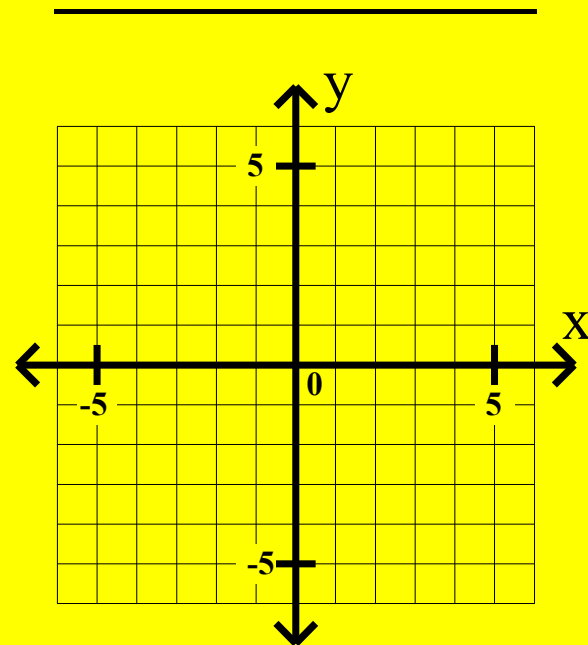
6. The line through $(1, -3)$ perpendicular to $3x - y = 2$



Algebra II Class Worksheet #3 Unit 2

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

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

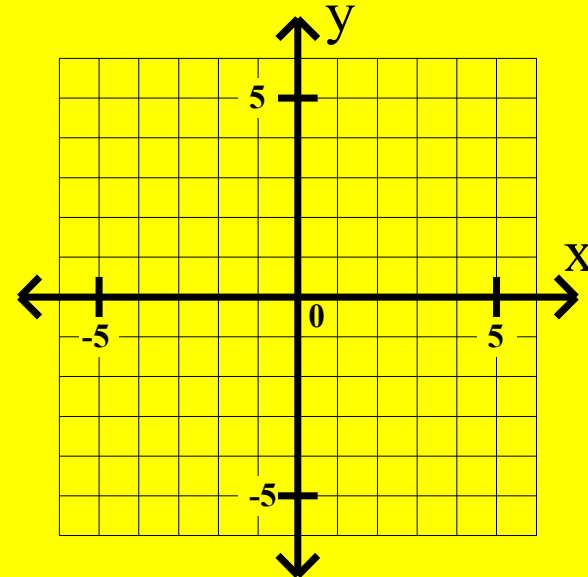


Algebra II Class Worksheet #3 Unit 2

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

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line



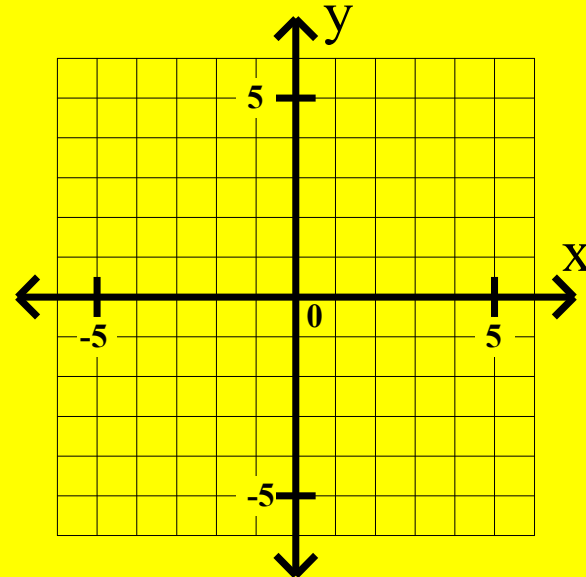
Algebra II Class Worksheet #3 Unit 2

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

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

$$3x - y = 2$$



Algebra II Class Worksheet #3 Unit 2

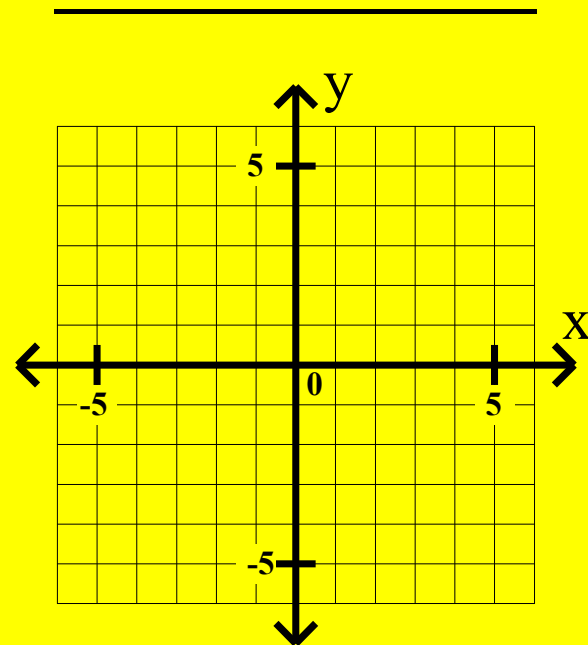
Write the equation of each line described. If the line is oblique, use slope-intercept form. Graph both equations.

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

$$3x - y = 2$$

$$-y =$$



Algebra II Class Worksheet #3 Unit 2

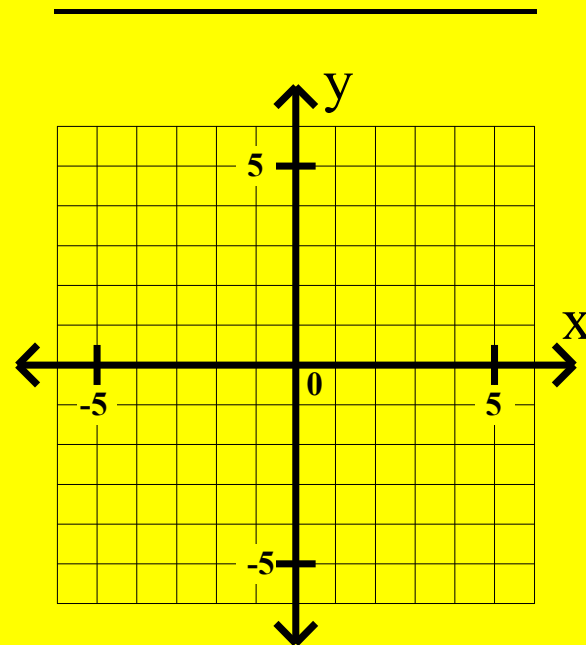
Write the equation of each line described. If the line is oblique, use slope-intercept form. Graph both equations.

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

$$3x - y = 2$$

$$-y = -3x$$



Algebra II Class Worksheet #3 Unit 2

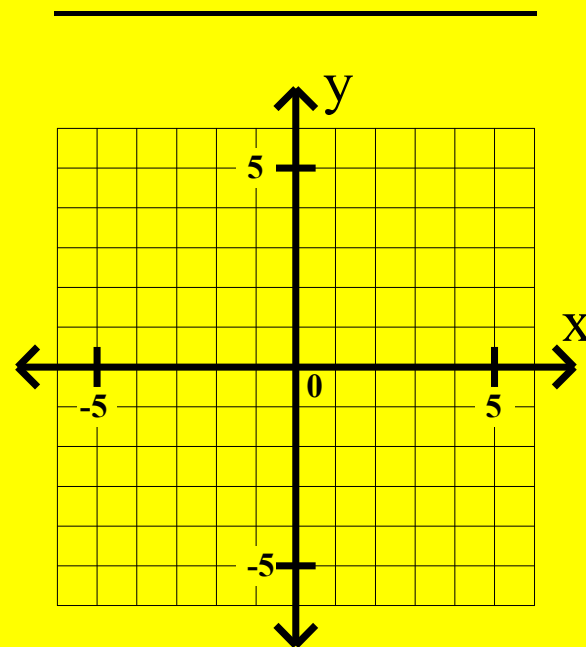
Write the equation of each line described. If the line is oblique, use slope-intercept form. Graph both equations.

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

$$3x - y = 2$$

$$-y = -3x + 2$$



Algebra II Class Worksheet #3 Unit 2

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

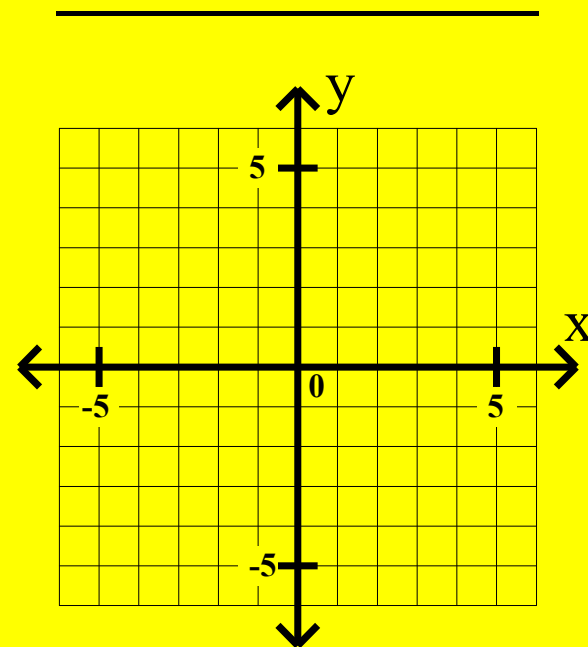
6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

$$3x - y = 2$$

$$-y = -3x + 2$$

$$y =$$



Algebra II Class Worksheet #3 Unit 2

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

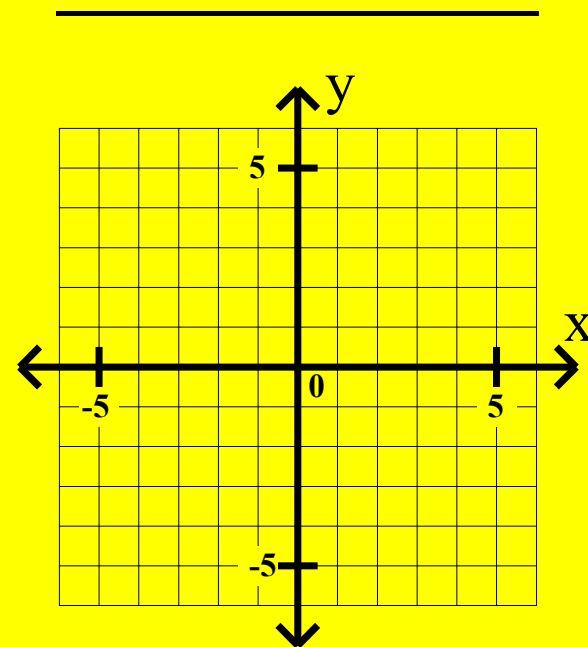
6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

$$3x - y = 2$$

$$-y = -3x + 2$$

$$y = 3x$$



Algebra II Class Worksheet #3 Unit 2

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

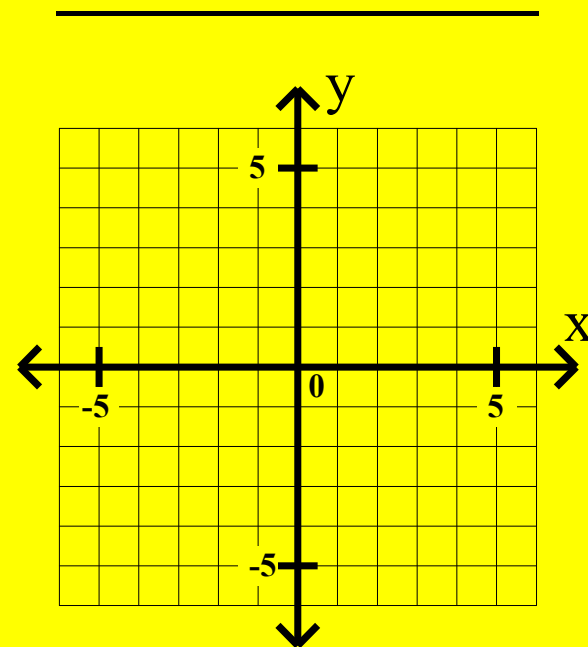
6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

$$3x - y = 2$$

$$-y = -3x + 2$$

$$y = 3x - 2$$



Algebra II Class Worksheet #3 Unit 2

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

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

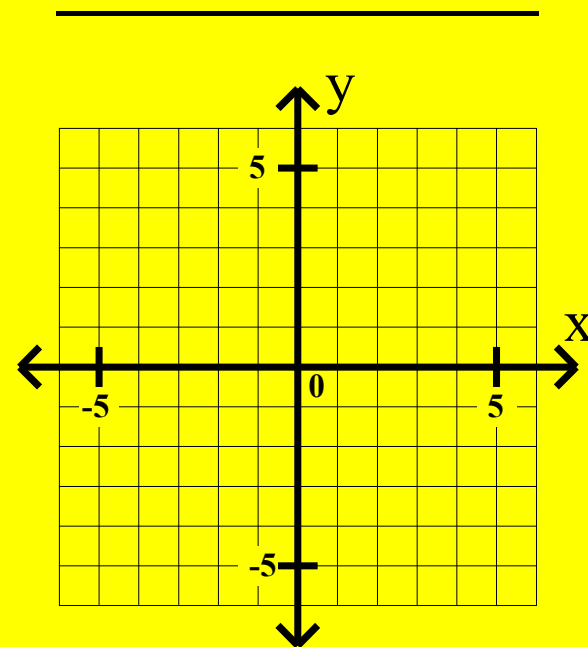
oblique line

$$3x - y = 2$$

$$-y = -3x + 2$$

$$y = 3x - 2$$

$$m_1 = 3$$



Algebra II Class Worksheet #3 Unit 2

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

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

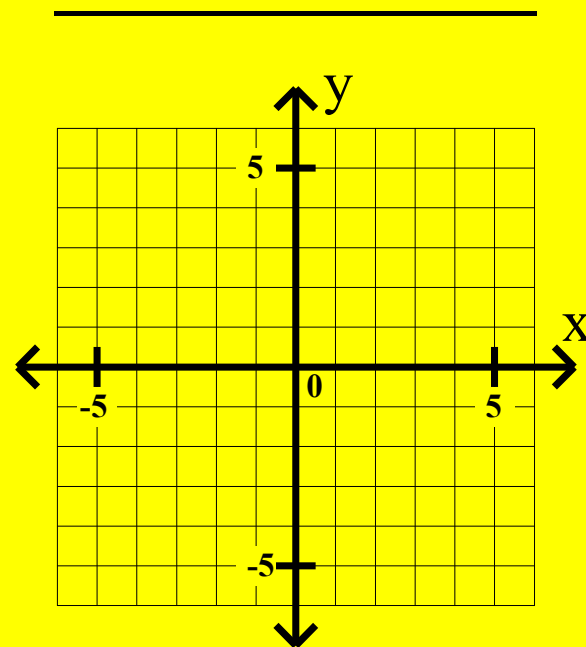
oblique line

$$3x - y = 2$$

$$-y = -3x + 2$$

$$y = 3x - 2$$

$$m_1 = 3$$



Algebra II Class Worksheet #3 Unit 2

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

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

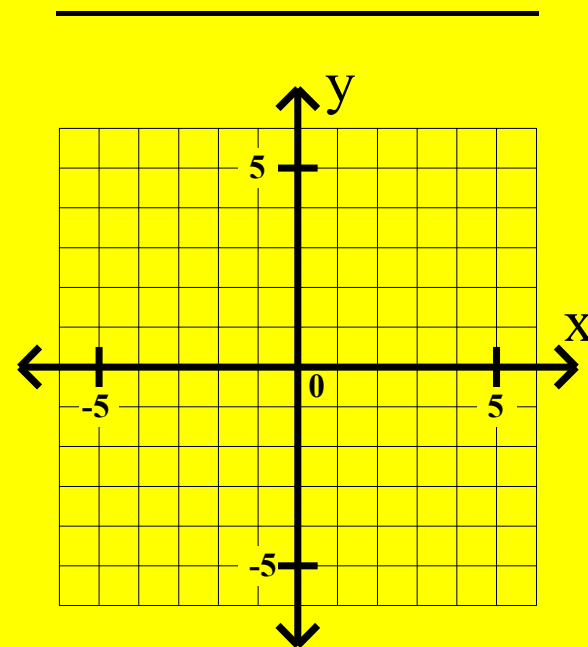
$$y = mx + b$$

$$3x - y = 2$$

$$-y = -3x + 2$$

$$y = 3x - 2$$

$$m_1 = 3$$



Algebra II Class Worksheet #3 Unit 2

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

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

$$y = mx + b$$

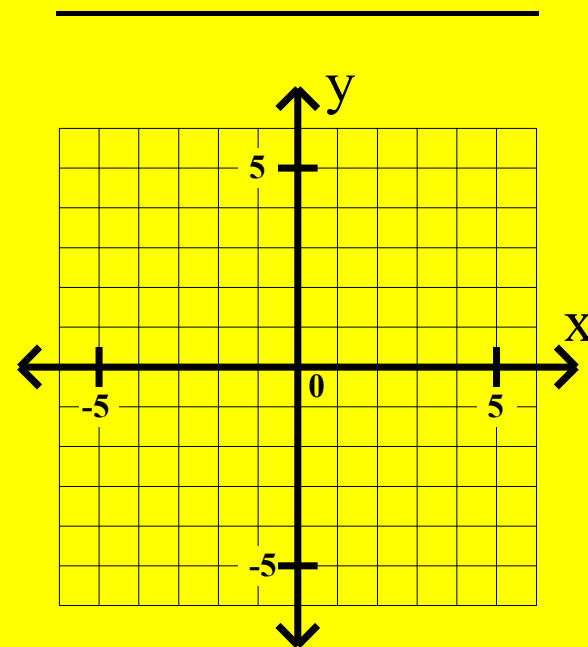
$$m_2 =$$

$$3x - y = 2$$

$$-y = -3x + 2$$

$$y = 3x - 2$$

$$m_1 = 3$$



Algebra II Class Worksheet #3 Unit 2

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

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

$$y = mx + b$$

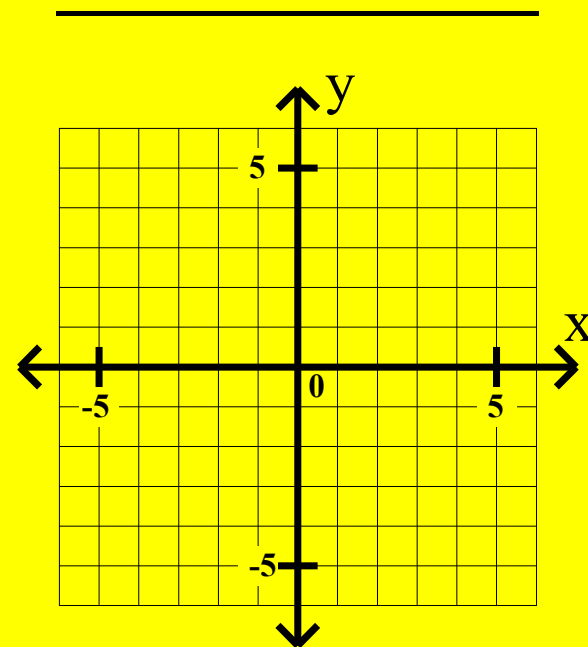
$$m_2 = -1/3$$

$$3x - y = 2$$

$$-y = -3x + 2$$

$$y = 3x - 2$$

$$m_1 = 3$$



Algebra II Class Worksheet #3 Unit 2

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

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

$$y = mx + b$$

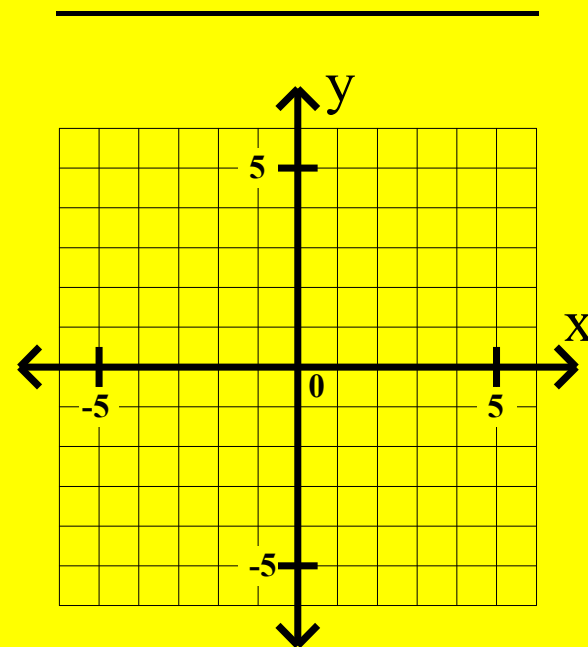
$$m_2 = -1/3$$

$$3x - y = 2$$

$$-y = -3x + 2$$

$$y = 3x - 2$$

$$m_1 = 3$$



Algebra II Class Worksheet #3 Unit 2

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

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

$$y = mx + b$$

$$m_2 = -1/3$$

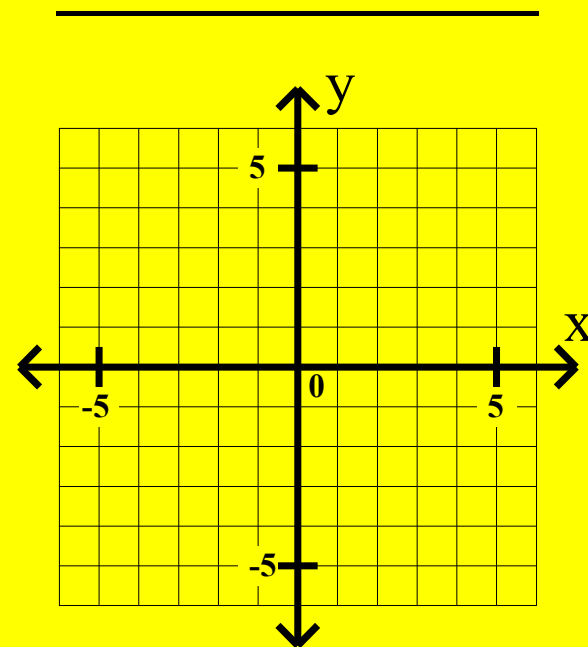
$$b = ?$$

$$3x - y = 2$$

$$-y = -3x + 2$$

$$y = 3x - 2$$

$$m_1 = 3$$



Algebra II Class Worksheet #3 Unit 2

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

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

$$y = mx + b$$

$$m_2 = -1/3$$

$$b = ?$$

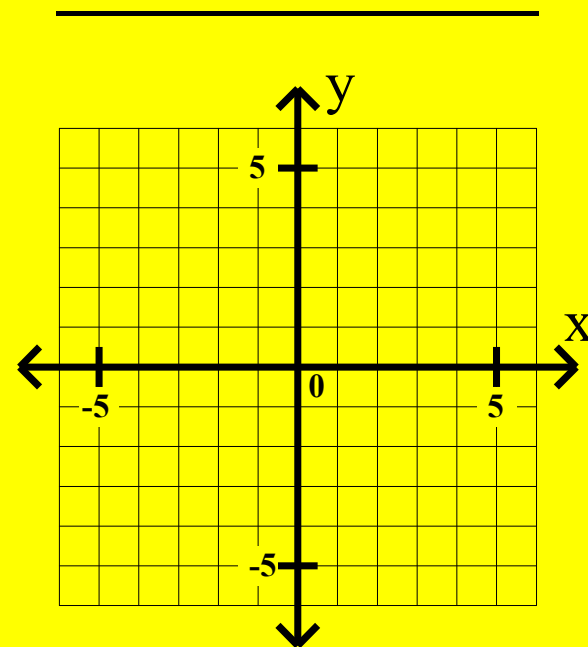
$$y - y_1 = m(x - x_1)$$

$$3x - y = 2$$

$$-y = -3x + 2$$

$$y = 3x - 2$$

$$m_1 = 3$$



Algebra II Class Worksheet #3 Unit 2

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

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

$$y = mx + b$$

$$m_2 = -1/3$$

$$b = ?$$

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

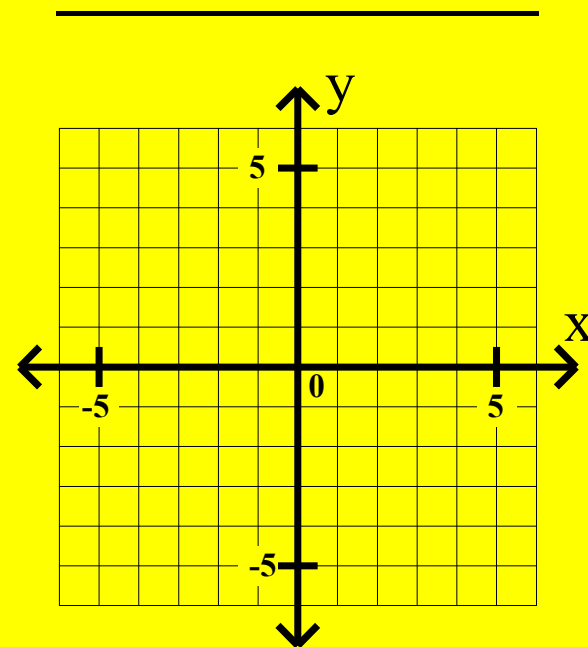
$$y - -3 =$$

$$3x - y = 2$$

$$-y = -3x + 2$$

$$y = 3x - 2$$

$$m_1 = 3$$



Algebra II Class Worksheet #3 Unit 2

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

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

$$y = mx + b$$

$$m_2 = -1/3$$

$$b = ?$$

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

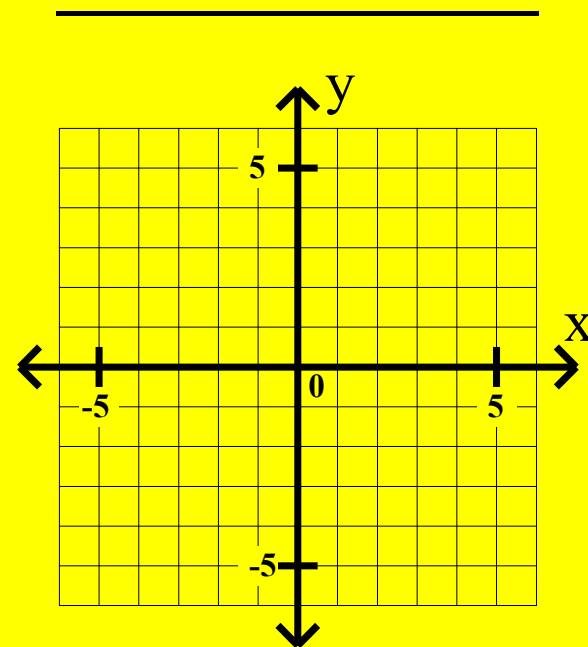
$$y - -3 = \frac{-1}{3}(\quad)$$

$$3x - y = 2$$

$$-y = -3x + 2$$

$$y = 3x - 2$$

$$m_1 = 3$$



Algebra II Class Worksheet #3 Unit 2

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

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

$$y = mx + b$$

$$m_2 = -1/3$$

$$b = ?$$

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

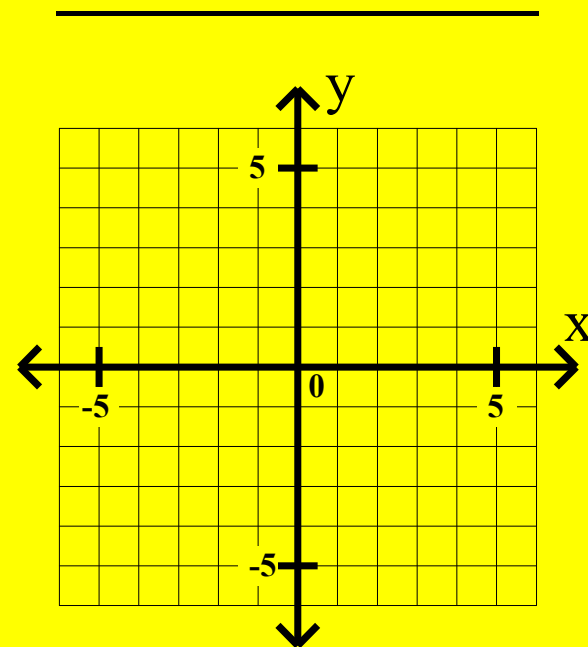
$$y - -3 = \frac{-1}{3}(x - 1)$$

$$3x - y = 2$$

$$-y = -3x + 2$$

$$y = 3x - 2$$

$$m_1 = 3$$



Algebra II Class Worksheet #3 Unit 2

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

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

$$y = mx + b$$

$$m_2 = -1/3$$

$$b = ?$$

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

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

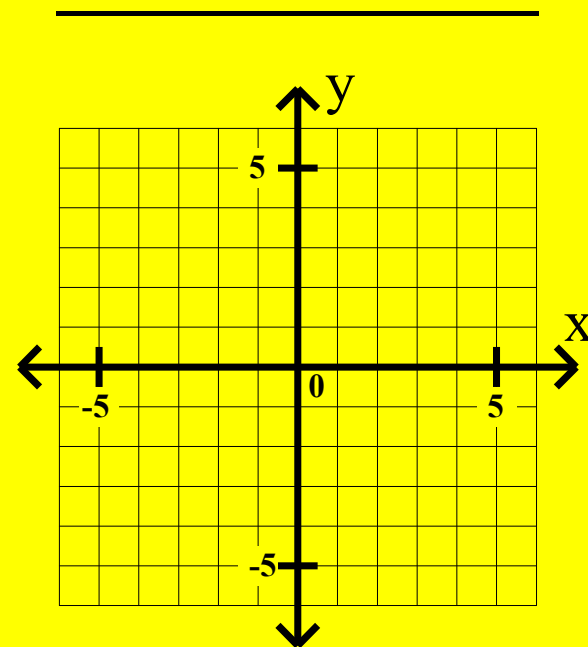
$$y + 3 =$$

$$3x - y = 2$$

$$-y = -3x + 2$$

$$y = 3x - 2$$

$$m_1 = 3$$



Algebra II Class Worksheet #3 Unit 2

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

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

$$y = mx + b$$

$$m_2 = -1/3$$

$$b = ?$$

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

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

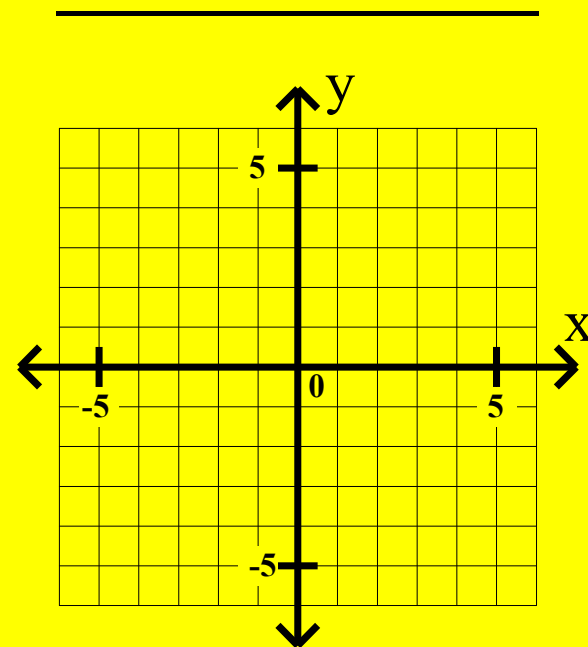
$$y + 3 = \frac{-1}{3}x$$

$$3x - y = 2$$

$$-y = -3x + 2$$

$$y = 3x - 2$$

$$m_1 = 3$$



Algebra II Class Worksheet #3 Unit 2

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

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

$$y = mx + b$$

$$m_2 = -1/3$$

$$b = ?$$

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

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

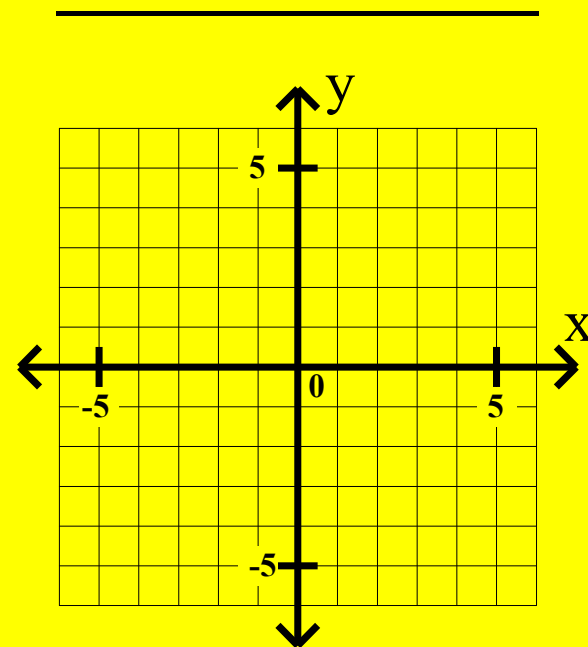
$$y + 3 = \frac{-1}{3}x + \frac{1}{3}$$

$$3x - y = 2$$

$$-y = -3x + 2$$

$$y = 3x - 2$$

$$m_1 = 3$$



Algebra II Class Worksheet #3 Unit 2

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

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

$$y = mx + b$$

$$m_2 = -1/3$$

$$b = ?$$

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

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

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

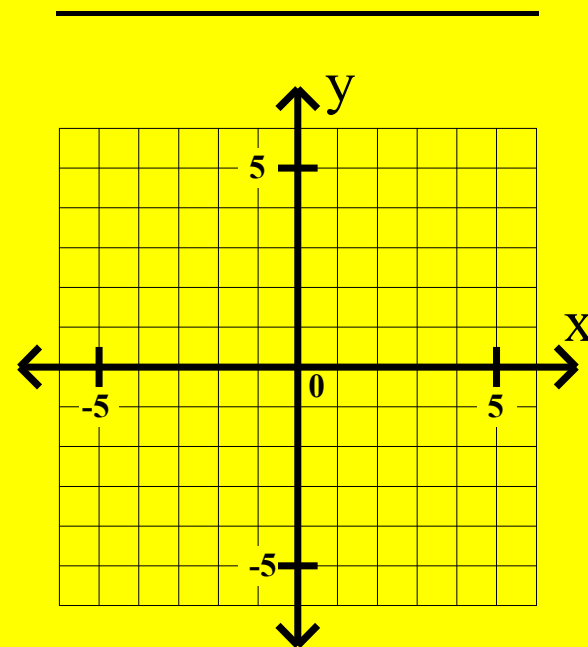
$$y =$$

$$3x - y = 2$$

$$-y = -3x + 2$$

$$y = 3x - 2$$

$$m_1 = 3$$



Algebra II Class Worksheet #3 Unit 2

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

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

$$y = mx + b$$

$$m_2 = -1/3$$

$$b = ?$$

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

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

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

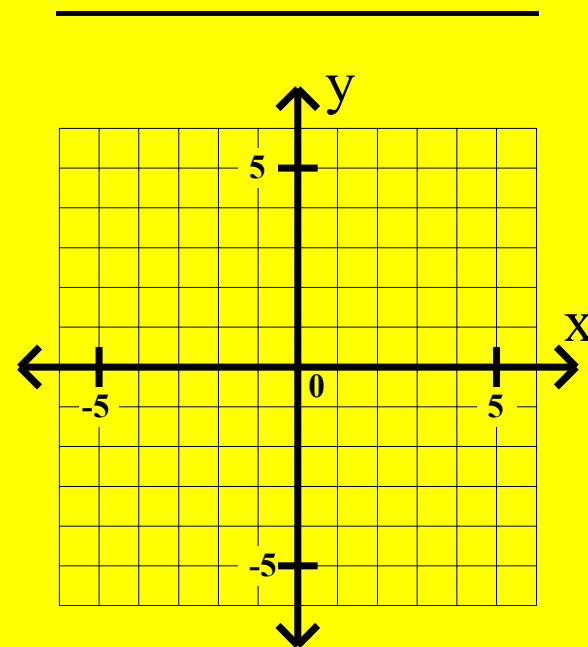
$$y = \frac{-1}{3}x$$

$$3x - y = 2$$

$$-y = -3x + 2$$

$$y = 3x - 2$$

$$m_1 = 3$$



Algebra II Class Worksheet #3 Unit 2

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

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

$$y = mx + b$$

$$m_2 = -1/3$$

$$b = ?$$

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

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

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

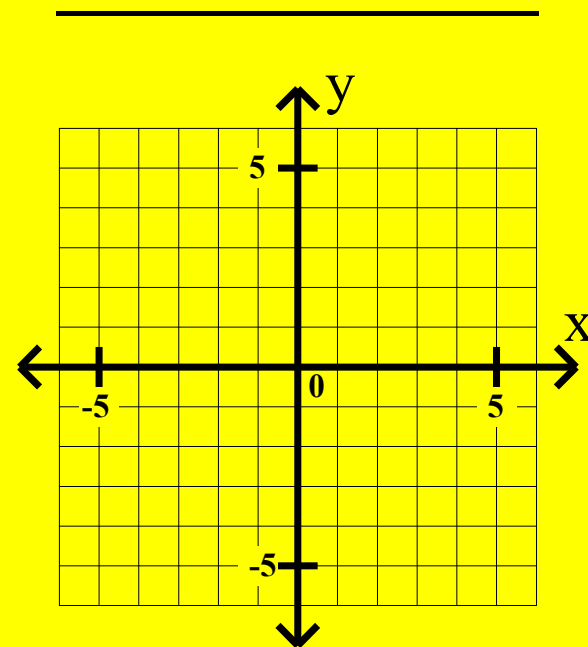
$$y = \frac{-1}{3}x - \frac{8}{3}$$

$$3x - y = 2$$

$$-y = -3x + 2$$

$$y = 3x - 2$$

$$m_1 = 3$$



Algebra II Class Worksheet #3 Unit 2

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

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

$$y = mx + b$$

$$m_2 = -1/3$$

$$b = ?$$

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

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

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

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

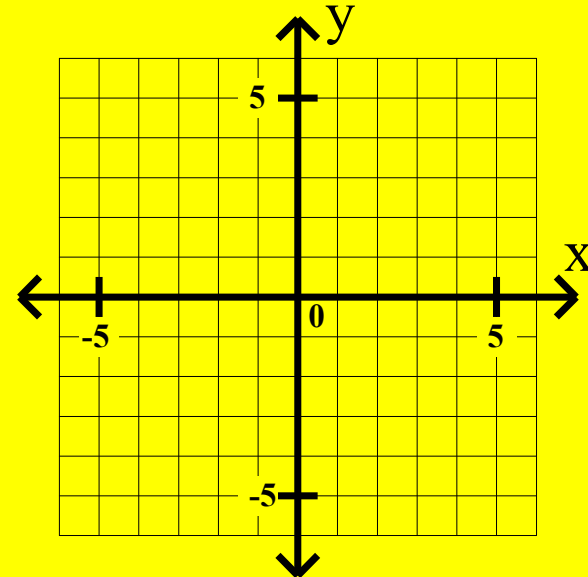
$$3x - y = 2$$

$$-y = -3x + 2$$

$$y = 3x - 2$$

$$m_1 = 3$$

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



Algebra II Class Worksheet #3 Unit 2

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

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

$$y = mx + b$$

$$m_2 = -1/3$$

$$b = ?$$

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

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

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

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

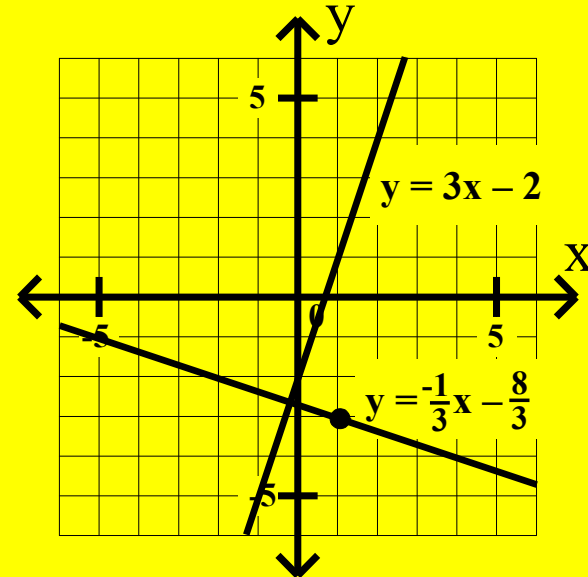
$$3x - y = 2$$

$$-y = -3x + 2$$

$$y = 3x - 2$$

$$m_1 = 3$$

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



Algebra II Class Worksheet #3 Unit 2

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

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

$$y = mx + b$$

$$m_2 = -1/3$$

$$b = ?$$

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

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

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

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

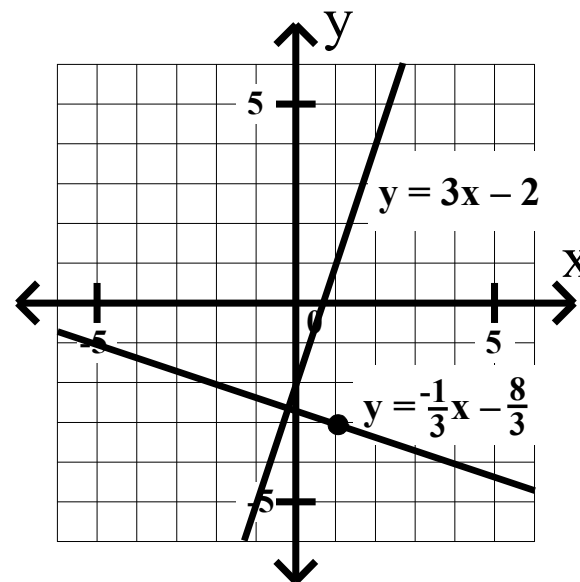
$$3x - y = 2$$

$$-y = -3x + 2$$

$$y = 3x - 2$$

$$m_1 = 3$$

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



Algebra II Class Worksheet #3 Unit 2

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

6. The line through $(1, -3)$ perpendicular to $3x - y = 2$

oblique line

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

Good luck on your homework !!

$$m_2 = -1/3$$

$$b = ?$$

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

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

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

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

$$y = 3x - 2$$

$$m_1 = 3$$

