Given two points, write an equation in slope-intercept form.

Example 1:

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

Step 1: Find the slope.

$$\frac{-1-3}{-4-0} = \frac{-4}{-4} = 1$$

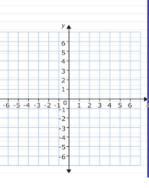
Step 2: Find the y-intercept by using the slope and either one of the points.

$$3 = 1(0) + b$$
 $3 = b$ 

Step 3: Write the equation by substituting the slope and the y-intercept into y = mx + b.

Given two points, write an equation in slope-intercept form.

Example 3:



Step 1: Find the slope.

$$\frac{-3++3}{6-1} = \frac{0}{5} = 0$$

Step 2: Find the y-intercept.

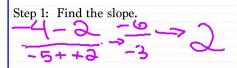
Step 3: Write the equation.

$$y = 0x - 3$$
 $y = -3$ 
horizon

EGiven two points, write an equation in slope-intercept form.

Example 2:

(-2, 2) and (-5, -4)



Step 2: Find the y-intercept.

Step 3: Write the equation.

Given two points, write an equation in slope-intercept form.

Example 4:

Step 2: Find the y-intercept.

Step 1: Find the slope.

NONE

Step 3: Write the equation.

$$\gamma = 5$$

undefined

vertica