

Algebra 1 Bellwork Monday, January 11, 2016

1. Write the equation, in Point-Slope Form, of the line that passes through this pair of points (9,-11) and (-4,23)

EQ:

2. Write the equation of the line that passes through this pair of points (7,3) and (7,-3)

EQ:

3. Identify the Slope and the Point that was used to write this equation:

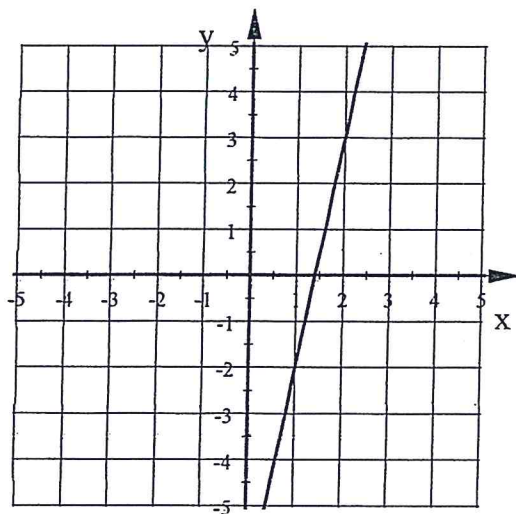
$$y + 18 = -7(x - 23)$$

Slope:

Point:

4. Write the equation, in Point-Slope Form, of the line shown in the graph below.

EQ:



5. Rewrite this equation into Slope-Intercept Form (don't use any rounded decimals)

$$y + 14 = -5(x - 2)$$

1. Write the equation, in Point-Slope Form, of the line that passes through this pair of points (9, -11) and (-4, 23)

$$\frac{23 - (-11)}{-4 - 9} = \frac{34}{-13}$$

EQ:

using (9, -11): $y + 11 = -\frac{34}{13}(x - 9)$
 OR
 using (-4, 23): $y - 23 = -\frac{34}{13}(x + 4)$

2. Write the equation of the line that passes through this pair of points (7, 3) and (7, -3)

EQ:

$$x = 7$$

3. Identify the Slope and the Point that was used to write this equation:

$$y + 18 = -7(x - 23)$$

Slope:

$$-7$$

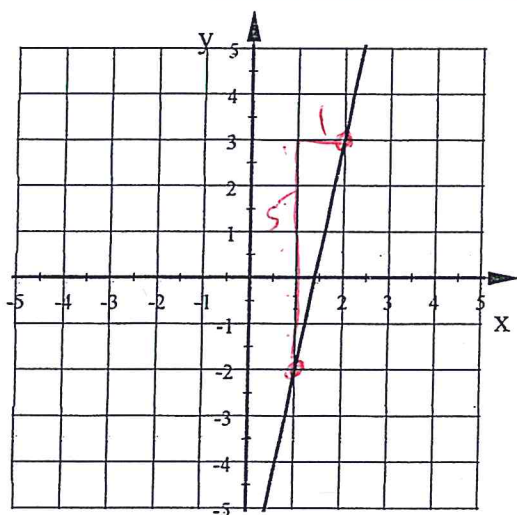
Point:

$$(23, -18)$$

4. Write the equation, in Point-Slope Form, of the line shown in the graph below.

EQ:

using (1, -2) $y + 2 = 5(x - 1)$ OR using (2, 3) $y - 3 = 5(x - 2)$



$$m = 5$$

points (1, -2) & (2, 3)

5. Rewrite this equation into Slope-Intercept Form (don't use any rounded decimals)

$$y + 14 = -5(x - 2)$$

$$y + 14 = -5x + 10$$

$$-14$$

$$-14$$

$$y = -5x - 4$$