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:

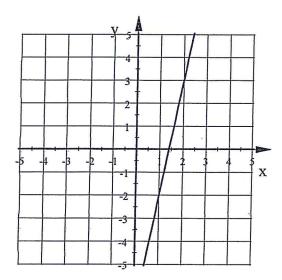
$$y + 18 = -7(x - 23)$$

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)

Algebra 1

Bellwork

Monday, January 11, 2016 Answers



1. Write the equation, in Point-Slope Form, of the line that passes through this pair of points

$$(9,-11)$$
 and $(-4,23)$

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

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

2. Write the equation of the line that passes through this pair of points

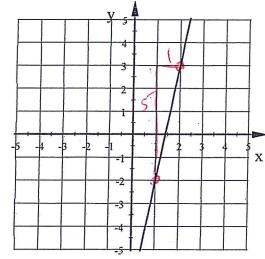
$$(7,3)$$
 and $(7,-3)$

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

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

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

EQ:



$$m = 5$$

5. Rewrite this equation into Slope-Intercept Form (don't use any rounded decimals) y + 14 = -5(x - 2)

