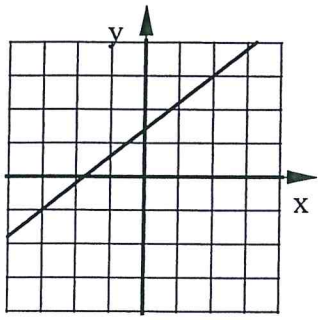
Algebra 1 6th Bellwork Tuesday, January 19, 2016

1. Find the slope of the line that passes through each pair of points:

a) $(4,-6)\&(8,4)$ b) $(-6,1)\&(-6,13)$

2. Write the equation of each line in Point-Slope Form for each.

a) Use the graph below b) Line passes through $(-5,6)\&(1,8)$



3. State the slope and coordinates of the point used to write this equation:

$y-7=-\frac{1}{2}(x+8)$

Slope = Point:(,)

Algebra 1 6th Bellwork Tuesday, January 19, 2016

1. Find the slope of the line that passes through each pair of points:

a) $(4,-6)\&(8,4)$ b) $(-6,1)\&(-6,13)$

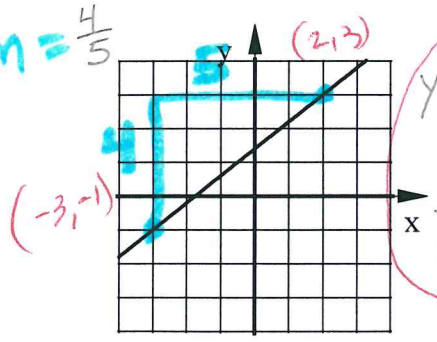
$m=\frac{4--6}{8-4}=\frac{10}{4}=\frac{5}{2}$

m is undefined

2. Write the equation of each line in Point-Slope Form for each.

a) Use the graph below b) Line passes through $(-5,6)\&(1,8)$

$m=\frac{4}{5}$



$y-3=\frac{4}{5}(x-2)$ or $y+1=\frac{4}{5}(x+3)$

$m=\frac{8-6}{1--5}=\frac{2}{6}=\frac{1}{3}$

$y-6=\frac{1}{3}(x+5)$ or $y-8=\frac{1}{3}(x-1)$

3. State the slope and coordinates of the point used to write this equation:

$y-7=-\frac{1}{2}(x+8)$

Slope = $-1/2$ Point:(-8, 7)

Algebra 1 6th Bellwork Tuesday, January 19, 2016