1. Write the equation, in Point-Slope Form, of the line that passes through this pair of points (-6,5) and (-2,-9)

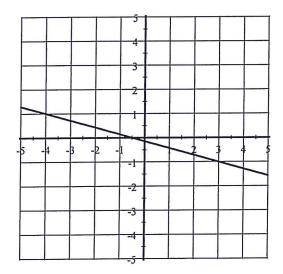
EQ:

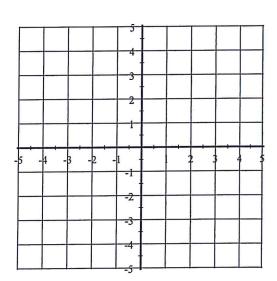
2. Write the equation, in Point-Slope Form, of the line that passes through this pair of points (8,-3) and (5,-3)

EQ:

- 3. Write the equation, in Point-Slope Form, of the line shown in the graph below.
- 4. Graph this equation using at least 3 points. $y-2=\frac{1}{3}(x+3)$

EQ:





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

a)
$$y-8=-\frac{2}{3}(x+12)$$

b)
$$y+2=\frac{1}{6}(x-5)$$

Friday, January 8, 2016 Algebra 1 Bellwork



1. Write the equation, in Point-Slope Form, of the line that passes through this pair of points (-6,5) and (-2,-9)

EQ:
$$y-5 = -\frac{7}{2}(x+6)$$

 $y+9 = -\frac{7}{2}(x+2)$

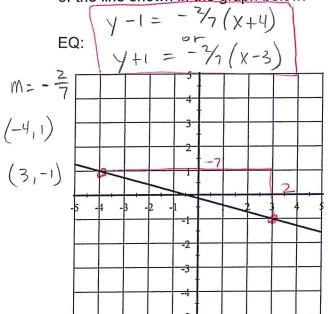
$$m = \frac{5 - 9}{-6 + 72} = \frac{14}{-4} = -\frac{7}{2}$$

2. Write the equation, in Point-Slope Form, of the line that passes through this pair of points (8,-3) and (5,-3)

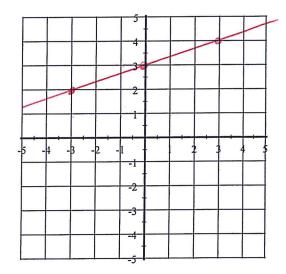
EQ:
$$y + 3 = 0$$



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



4. Graph this equation using at least 3 points. $y-2=\frac{1}{3}(x+3)$ P+ (-3,2) M = $\frac{1}{3}$ or y=1/3x +3



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

a)
$$y-8 = -\frac{2}{3}(x+12)$$

 $y-8 = -\frac{2}{3}x - 8$
 $y = -\frac{2}{3}x$

b) $y+2 = \frac{1}{6}(x-5)$ $y = \frac{17}{6}$ $y + 2 = \frac{1}{6}x - \frac{5}{6}$ Y= 6x - 5-2 -50-2) $=\frac{-5}{6}-\frac{12}{10}=-\frac{17}{10}$