Algebra 1 Practice problems Quiz 4.7 today Test Ch. 4 Tues.

There will be graphing calculator question(s) on the test

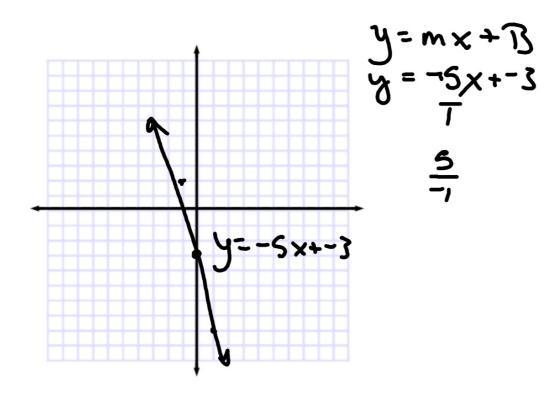
whiteboards

Find the inverse of the relation.

$$\{(5,-3),(11,2),(-6,12),(4,-2)\}\$$
 $(-3,5)(2,11)(2,-6)(-2,4)$ 

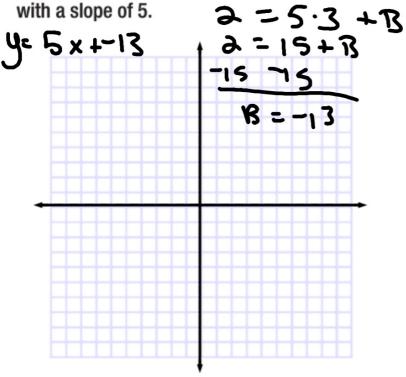
Find the inverse of  $N(x) = \frac{1}{4}x + 9$ .

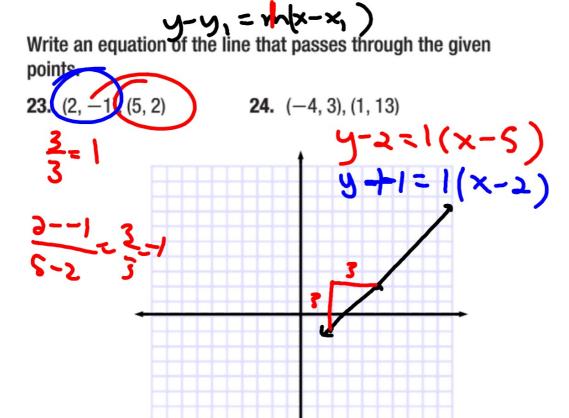
Write an equation of a line in <u>slope-intercept form</u> with slope -5 and *y*-intercept -3. Then graph the equation.



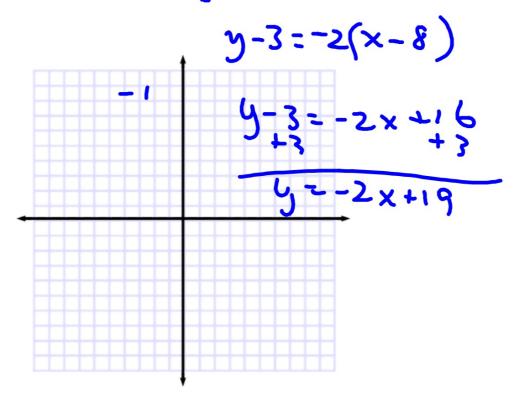
Write an equation of the line that passes through (3, 2)

with a slope of 5.





**14.** Write an equation in point-slope form for the line that passes through the point (8, 3), m=-2. (Lesson 4-3)



16. Write y + 4 = -7(x - 3) in slope-intercept form.

(Lesson 4-3)

$$y+4 = -7x + 21$$
 $-4$ 
 $y = -7x + 17$ 

**28.** 
$$(0, -3)$$
;  $y = -2x + 4$ 

parallel

y=-2x+-3

24. 
$$(-4, -5)$$
;  $-4x + 5y = -6$  perpendicular

$$5y = 4x - 6$$

$$6x = 4x -$$

The scatter plot displays the number of texts and the number of calls made daily. Write an equation for the line

ATTENDANCE The table shows the annual attendance at an amusement park. Write an equation of the regression line for the data.

| Years Since<br>2004       | 0  | 1  | 2  | 3  | 4  | 5  | 6  |
|---------------------------|----|----|----|----|----|----|----|
| Attendance<br>(thousands) | 75 | 80 | 72 | 68 | 65 | 60 | 53 |

graphing calculator