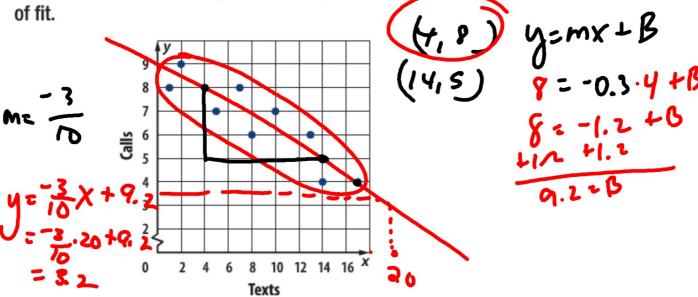
Algebra 1 Practice problems Quiz 4.7 today Test Ch. 4 Wed

There will be graphing calculator question(s) on the test. (Will turn in calcs after test)

whiteboards

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



Old school

graphing calculator

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

Years Since	0	1	2	3	4	5	6
Attendance (thousands)	75	.80	72	68	65	60	53

$$y = -4.04 \times +79.67$$

$$r = -0.95$$

$$2014 \rightarrow 10 -4.04(10) +79.67$$

Find the inverse of the relation.

$$(3, -3), (11, 2), (-6, 12), (4, -2)$$

 $(-3, 4)$ $(2, 1)$ $(2, -6)$ $(-2, 4)$

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

$$y = \frac{1}{4}x + 9 + 9 = 4(x - 9)$$

$$x = \frac{1}{4}y + 9 = \frac{1}{4}(x - 9)$$

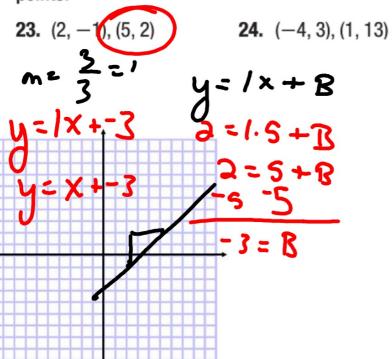
$$y(x - 9) = \frac{1}{4}y \cdot \frac{1}{4}$$

Example 1 y = mx + B

Write an equation of a line in slope-intercept form 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.

Write an equation of the line that passes through the given points.



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)

$$y = mx + 3$$

$$y = -7x + 21$$

$$y = -7x + 17$$

23.
$$(0, -3); y = -2x + 4$$

parale Same M

$$m = -2$$

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