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

PT p. 277
1-20

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

whiteboards

Example 8

Find the inverse of the relation.

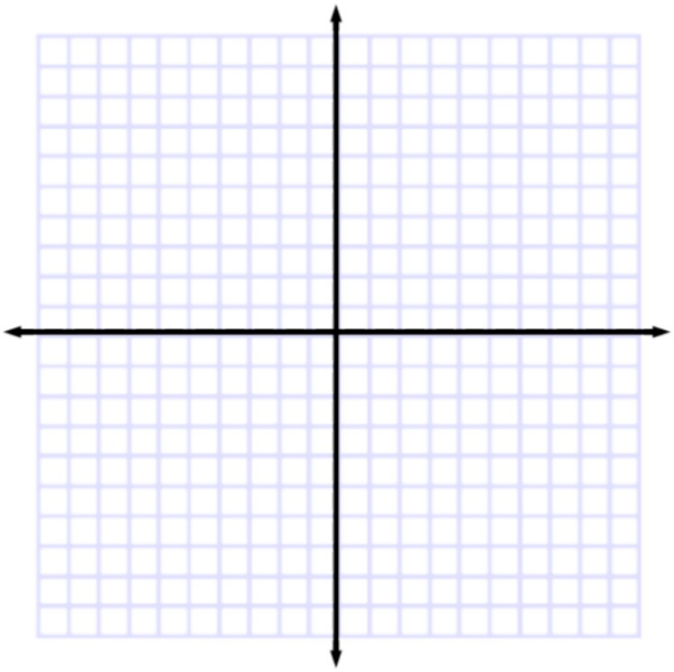
$$\{(5, -3), (11, 2), (-6, 12), (4, -2)\}$$

Example 9

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

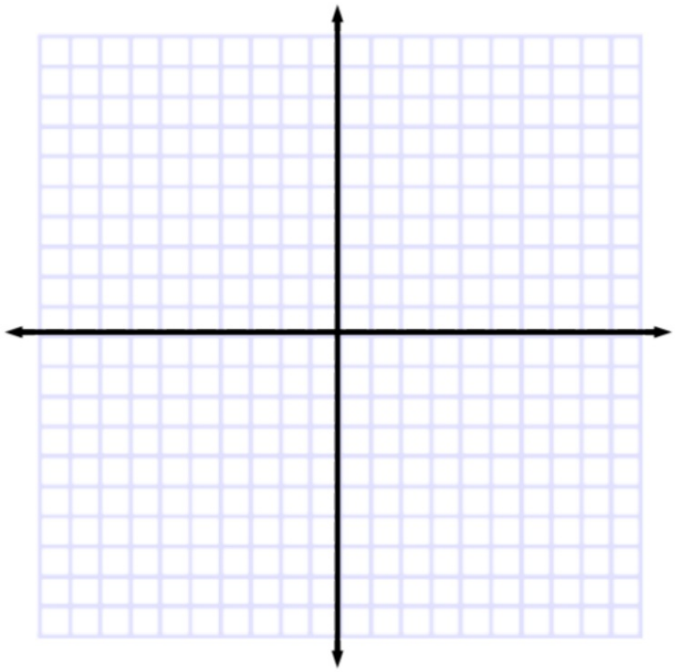
Example 1

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



Example 2

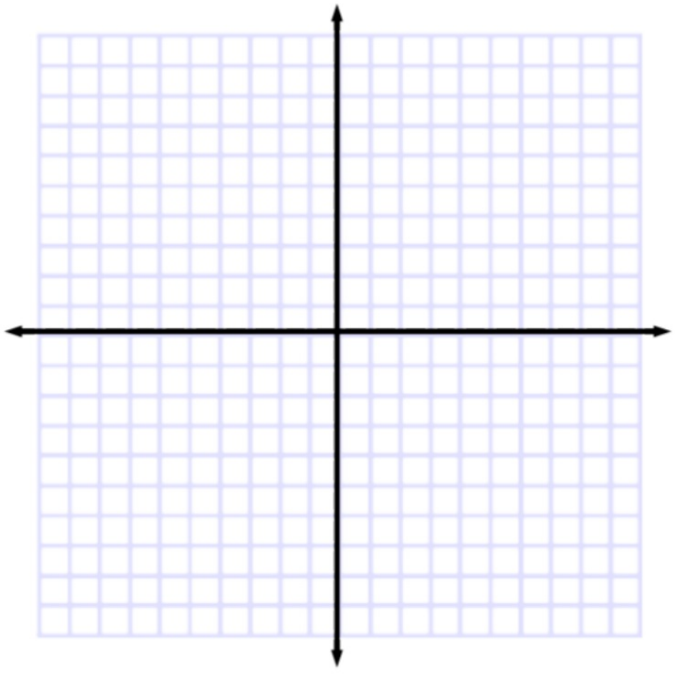
Write an equation of the line that passes through (3, 2) with a slope of 5.



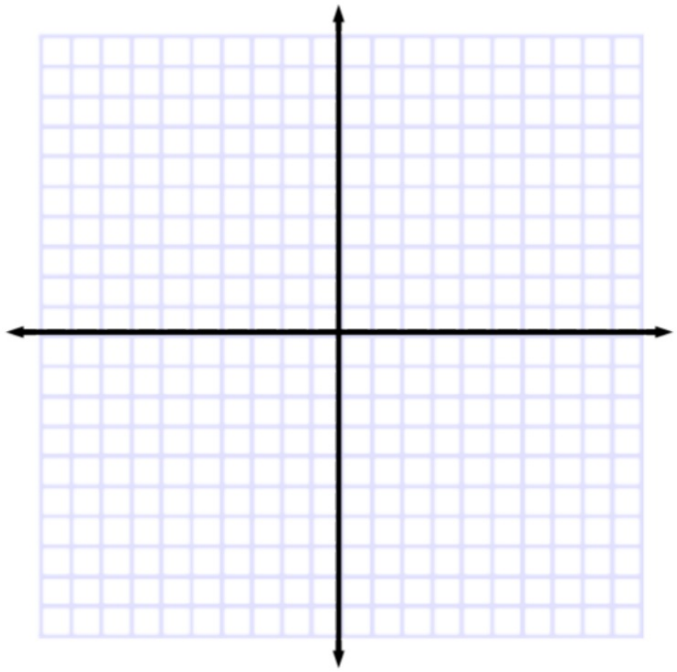
Write an equation of the line that passes through the given points.

23. (2, −1), (5, 2)

24. (−4, 3), (1, 13)



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



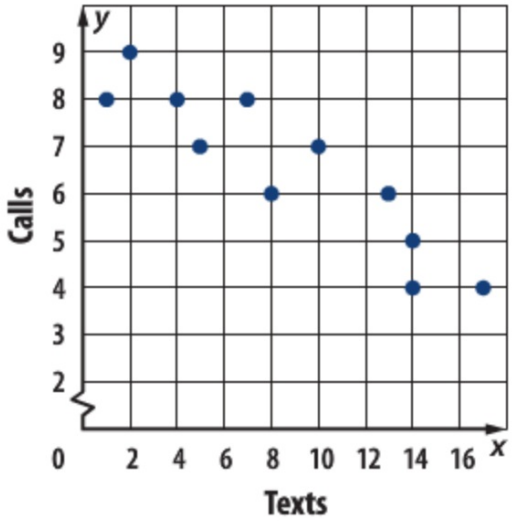
16. Write $y + 4 = -7(x - 3)$ in slope-intercept form.
(Lesson 4-3)

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

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

Example 6

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



Old school

graphing calculator

Example 7

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

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