

Algebra 1 4.7

Find the inverse of a relation

Find the inverse of a linear function

relation

inverse

function

inverse function

domain

range

whiteboards

4-7 Inverse Linear Functions

Find the inverse of each relation.

51. $\{(7, 3.5), (6.2, 8), (-4, 2.7), (-12, 1.4)\}$

52. $\{(1, 9), (13, 26), (-3, 4), (-11, -2)\}$

53.

x	y
-4	2.7
-1	3.8
0	4.1
3	7.2

54.

x	y
-12	4
-8	0
-4	-4
0	-8

Find the inverse of each function.

55. $h(x) = \frac{5}{11}x + 10$

56. $f(x) = 3x + 8$

57. $f(x) = -4x - 12$

58. $f(x) = \frac{1}{4}x - 7$

59. $f(x) = -\frac{2}{3}x + \frac{1}{4}$

60. $f(x) = -3x + 3$

4-6 Regression and Median-Fit Lines

49. **SALE** The table shows the number of purchases made at an outerwear store during a sale. Write an equation of the regression line. Then estimate the daily purchases on day 10 of the sale.

Days Since Sale Began	1	2	3	4	5	6	7
Daily Purchases	15	21	32	30	40	38	51

