Name: _____

Fitting a Line to Data Homework

Algebra I

Chapter 5.6 (by hand, no graphing calculator)

Date: _____ Hour: _____

1) Use the table below that contains data about different foods' fat and calorie content to answer the questions below:

Fat (g)	31	39	19	34	43	39	35
Calories (Cal)	580	680	410	590	660	640	570
 (a) Make a scatter plot of th (b) Describe the correlation (c) Draw a line of fit. (d) Write the equation for t (e) Use the equation to predicatories in a hamburger 	he data. h he line of dict the nu with 28 g	fit. mber of rams of fa	t. 350 150 100 200 150 100 50 0 0 0 0 0 0 0 0 0 0 0 0 0		20	30	

calories in a hamburger:

2) Use the table below to answer the questions below:

x	3	2	2	2	1	1	0
у	9	8	6	3	4	2	0
 (a) Make a (b) Describe (c) Draw a (d) Write th (e) Use the had a value 	scatter plot of e the correlat line of fit. le equation for equation to p lue of 10.	of the data. tion or the line of predict what	f fit. y would be i			2	

equation: _____