October 10, 2013

y=e



75) An experiment in a physics lab requires a student to measure the compressed length x (in centimeters) of a spring when a force of F grams is applied. The data is given in the table.									
	F	0	50	100	150	200	250	300	
	x	12.00	10.85	9.72	8.49	7.35	6.10	4.84	
a) Make a scatter plot of the data.									
 b) What type of equation best models the information given. g=mx+b (linear regression) c) Find a mathematical model for the data. 									
y==0238 x+12.051									
d) Use the model to approximate the force required to compress the spring									

