Name:	Lecture time (10 or 11 or 12):
Lab P	roblems 3-4
Statistics Spring 200 Dr. Nancy	
` -	ts.) Does living on or off campus depend at all on whether a surveyed student is e or female?
(a)	What variable or variables are involved? For each variable, tell whether it is quantitative or categorical. Which variable (if any) should play the role of explanatory
	variable?
(b)	Before you even look at the data, do you expect the variables to be dependent?
(c)	Use MINITAB Basics Example U to produce a two-way table of counts and row percents. Does one group have a considerably higher proportion on campus?

(d) **Summarize** your findings in one or two sentences. Be sure to express your results specifically in terms of the variable(s) of interest, and mention to what extent the

results match your guesses in (b).

4. (5 pts.) How are surveyed students' heights and weights related?	
(a) What variable or variables are involved? For each variable, tell whether it is quantitative or categorical.	
Which, if any, would be the obvious choice for explanatory variable?	
(b) Before you even look at the data , try to make a reasonable guess for each of the following: [If you're completely clueless, just answer with a "?".]	
i. form (linear or curved):	
ii. direction (positive, negative, or none):	
iii. strength (strong, moderate, or weak): Do you expect outliers? (Explain briefly.)	
 (c) Use MINITAB Basics Example Q (only the relevant parts) to answer the following: Does the scatterplot show a roughly linear form? What is the regression line equation? What is the value of the correlation r? What is the typical residual size s? (d) Summarize your findings in one or two sentences. Be sure to express your results specifically in terms of the variable(s) of interest, and mention to what extent the results match your guesses in (b). 	