## Economics 312

1. Suppose that you are estimating a model for a dependent variable $y$. You have many candidate regressors and several alternative choices for functional forms among which to choose. Briefly discuss how each of the following could be useful to help you make a choice:
a. $t$ statistics on estimated coefficients
b. $R^{2}$ statistics
c. $\bar{R}^{2}$ statistics
d. Variance-inflation factors
2. Recall the pizza regression from an earlier daily problem:


How would the estimated coefficients and their standard errors be different if you:
a. measured income in dollars rather than thousands of dollars?
b. subtracted 18 from each observation's age to measure it in "adult years"?
c. re-scaled pizza expenditures to be in cents rather than dollars?
(Note: Do each part separately, not cumulatively.)

