## Economics 312

The following regression results from a regression of the log of wage on years of education, years of potential experience, and the square of potential experience using data from the 1991 Current Population Survey.


1. Interpret the signs of the coefficients on experience and its square. Sketch roughly the shape of the estimated relationship between log-wage and experience for a given level of education. Is this what you would expect?
2. Calculate the marginal effect of an additional year of experience for someone with exper $=10$ and for someone with exper $=20$. Do these results conform to the shape of your relationship in question 1 ?
3. The effects of experience for question 2 do not depend on the level of education. Should they? How could you change the model to incorporate this?
