Problem Set 6 Econometrics 410 Prof. Taber Due: Thurs March 31

Problem 1. Wooldridge 4.6

Problem 2. Wooldridge 4.9

Problem 3. Wooldridge C4.6

Problem 4. Wooldridge C4.10

Problem 5. Consider the unrestricted regression.

$$Y_i = \beta_0 + \beta_1 X_{1i} + \beta_2 X_{2i} + \beta_3 X_{3i} + u_i$$

Explain what restricted regression you would run to test the following null Hypothesese:

a)	$\beta_2 = 0$
b)	172 -
	$\beta_2 = 0$
c)	$\beta_3 = 0$
()	$\beta_2 = \beta_1$
	$\beta_3 = 0$
d)	
	$\beta_2 = 4$ $\beta_3 = 1$
e)	/* 0 –
	$\beta_2 = 1 + \beta_1$
f)	$\beta_{-} - \beta_{-}$
	$\begin{array}{l}\beta_2 = \beta_3\\\beta_3 = \beta_1\end{array}$
g)	
	$\beta_3 = 1 - \beta_2$
	$\beta_1 = 1 + \beta_2$