

Name \_\_\_\_\_

Group \_\_\_\_\_

## Extra Homework Assignment for statistics (Lots of fun!!!)

Which model does the best job in explaining  $y$ ? Please explain your answers.

### Model 1

$$y = 300C + 37x + 42z \quad (R^2=.42)$$

$(t = 1.84) \quad (t = 2.08) \quad (adj. R^2=.39)$

### Model 2

$$y = 400C + 23u + 47z \quad (R^2=.35)$$

$(t = 2.84) \quad (t = 2.01) \quad (adj. R^2=.30)$

### Model 3

$$y = 200C + 18u + 47z + 20v \quad (R^2=.38)$$

$(t = 2.54) \quad (t = 2.00) \quad (t = 2.60) \quad (adj. R^2=.28)$