a)

```
. use /Users/piamahajan/Downloads/caschool-4.dta

. reg testscr str el_pct meal_pct comp_stu
```

| Source | SS | df | MS | | |
|---|---|---|---|---|---|
| Model | 118288.182 | 4 | 29572.0454 | Number of obs | = 420 |
| Residual | 33821.4119 | 415 | 81.4973781 | F(4, 415) | = 362.86 |
| | | | | Prob > F | = 0.0000 |
| | | | | R-squared | = 0.7777 |
| | | | | Adj R-squared | = 0.7755 |
| Total | 152109.594 | 419 | 363.030056 | Root MSE | = 9.0276 |

| testscr | Coefficient | Std. err. | t | P>\|t\| | [95% conf. | interval] |
|---|---|---|---|---|---|---|
| str | -.8353974 | .2467429 | -3.39 | 0.001 | -1.320419 | -.3503757 |
| el_pct | -.1116037 | .0323937 | -3.45 | 0.001 | -.1752799 | -.0479275 |
| meal_pct | -.5446439 | .021503 | -25.33 | 0.000 | -.5869123 | -.5023754 |
| comp_stu | 17.6634 | 7.301932 | 2.42 | 0.016 | 3.310014 | 32.01678 |
| _cons | 694.2714 | 5.254354 | 132.13 | 0.000 | 683.9429 | 704.5999 |

b)

```
. reg testscr str el_pct meal_pct comp_stu, r

Linear regression                               Number of obs     =        420
                                                F(4, 415)         =     343.17
                                                Prob > F          =     0.0000
                                                R-squared         =     0.7777
                                                Root MSE          =     9.0276
```

| testscr | Coefficient | Robust std. err. | t | P>\|t\| | [95% conf. | interval] |
|---|---|---|---|---|---|---|
| str | -.8353974 | .2789508 | -2.99 | 0.003 | -1.38373 | -.2870647 |
| el_pct | -.1116037 | .0326001 | -3.42 | 0.001 | -.1756857 | -.0475217 |
| meal_pct | -.5446439 | .0241932 | -22.51 | 0.000 | -.5922004 | -.4970873 |
| comp_stu | 17.6634 | 8.193894 | 2.16 | 0.032 | 1.556688 | 33.77011 |
| _cons | 694.2714 | 6.183819 | 112.27 | 0.000 | 682.1159 | 706.4269 |