

Do NOT write your name anywhere. (Canvas will tell me who turned in the assignment.) All answers must be typed, except for mathematics and graphs. Take pictures of your written answers and use your own software or <https://pdfcandy.com/> to create a single PDF size A4. (pdfcandy.com will convert many file types to PDF, resize PDF, merge PDF and many other things for free. However, Apple phones may require using [CamScanner](#) before using pdfcandy.com.) Failure to follow these directions will cost you 10 points.

1) (10 points) What part of my webpage <http://www.WCsaplarJr.info> do you think is most helpful? Explain your logic. Is anything missing which would be helpful? If you were a Managerial Economics major, then which courses would you be taking *comps* in on Tuesday Morning? According to the boxes in yellow on my main page, which of the 25 most requested skills on LinkedIn are taught to our Economics majors?

2) (10 points) As you can see, in the writing at the bottom of the page, there is a big difference between translating and explaining. Explain: $i = r + \pi + r\pi$. Make sure you do not just “translate” the equation.

3) (20 points) Use the following data to calculate GDP, GNP, NNP, NI, PI, and DPI. Consumers buy \$2000 worth of goods. Firms buy \$800 worth of machines. The government buys \$900 worth of services. We import \$220 worth of goods and export \$170 worth. We paid foreigners \$10 worth of interest and received \$12. Capital lost \$40 worth of value. Firms paid \$120 dollars of sales tax and \$30 worth of business taxes. They retained \$25 of earnings. Consumers paid \$220 worth of income tax and received \$140 worth of Social Security payments from the government. Show all work. If you need data which is not provided, assume it is zero.

4) (10 points each) How much does GDP change in each event? Explain how you reached the conclusion. If you GDP changes, tell me which part of GDP and how you determined that. If GDP does not change, tell me why not.

A) You buy \$5000 worth of stock in Google because you think they will make huge profits from all of the information they legally steal from you and sell to corporations. You pay \$10 in commissions.

B) I pay you \$70 to mow my lawn.

C) You pay \$5000 for housing while doing foreign exchange in Spain.

D) You buy a used car for \$5000 which cost the dealer \$3000.

E) Your grandfather gets a \$400 Social Security check.

5) (10 points) All statistics have problems with their definition. What are three problems with GDP which mean that it is systematically underestimate in developing countries? Explain your logic.

பாஷும் தெளி தேலும் பாசும்
 பருப்புகி அவ நாஸும் கலந்தூண்கு
 நான் தருவேன்
 கோஷும் செம்
 சூங்கட் கிழகத்து சூமணியே !