Name: **\_\_\_\_\_\_\_\_\_\_\_\_**

Note: The answer areas are not strictly structured, as by now, you will have learned how to properly organize your hypotheses, independent and dependent variables, tables, logs, explanations and analyses.

**T-TEST EXERCISE** (50 points)

**Open file: cjgss1.sav**

1. Using the Criminal Justice GSS1 dataset (*cjgss1.sav*), test the claim that younger people support making marijuana legal more than older people, by conducting an appropriate statistical test.

State the null and alternative hypotheses. Paste all the necessary tables and give a proper explanation of the output.

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**ANOVA EXERCISE** (50 points)

**Open file:** [police\_salary.sav](http://bbhosted.cuny.edu/@@3179FA2B8C683030B01737CE9EAE9196/courses/1/JOHNJ_CRJ_716_07_201002/content/_4038230_1/police_salary.sav)

Answer the following questions using data about police officers in the tri-state cities of New Jersey, New York, and Connecticut:

1. Test the claim that there is no effective difference in the mean number of cops per 1,000 in the tri-state area (NY, NJ, and CT) using an appropriate statistical test. (This will require you to create a new variable. Paste the syntax/code of the new computation below.)

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Test the claim that the mean maximum police officer salaries for CT, NY, and NJ cities are the same.

**\_\_\_\_\_\_\_\_\_\_\_Please Ensure that You read the University’s policy on Academic \_integrity and follow the rules properly to avoid serious academic repercussions\_\_\_\_**