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

**———————————————————— DIRECTIONS ————————————————————**

AUTHORIZED RESOURCES: You may only use the following:

* The Jupyter notebook provided (and the “Reference” documents contained in “Help”)
* The datascience package documentation (<http://data8.org/datascience/index.html>)
* The numpy and scipy package documentation (<https://docs.scipy.org/doc/>)

**INSTRUCTIONS:**

You have **50 minutes** to complete this GR. Show your work in a logical, organized manner. Unsubstantiated answers may not receive full credit. Also, answers should be listed to three significant figures AFTER the decimal, whole numbers, or fractions (as appropriate).

|  |  |  |
| --- | --- | --- |
| Problems | Point Value | Score |
| 1 | 20 |  |
| 2 | 20 |  |
| 3 | 30 |  |
| 4 | 30 |  |
| 5-9 | 25 |  |
| Total | 125 |  |

ACADEMIC SECURITY: This examination will be released from academic security at 1630 on 30 Nov 2018 (Lesson T37). You may not discuss the examination contents or the course material with anyone other than your instructor.

INTEGRITY: Your honor is extremely important. This academic security policy is designed to help you succeed in meeting academic requirements while practicing the honorable behavior our country rightfully demands of its military. Do not compromise your integrity by violating academic security or by taking unfair advantage of your classmates.