

COLLEGE OF ENGINEERING SCHOOL OF AEROSPACE ENGINEERING

ISYE 7750: MATHEMATICAL FOUNDATIONS OF MACHINE LEARNING

## Homework 5: Self-Grade

Professor:
Ashwin Pananjady
Gatech ISYE Professor

 $\begin{tabular}{ll} Student: \\ Tomoki Koike \\ Gatech AE MS Student \\ \end{tabular}$ 

|           | Score | Full Score | Comment                              |
|-----------|-------|------------|--------------------------------------|
| Problem 1 |       |            |                                      |
| (a)       | 3     | 3          |                                      |
| (b)       | 2     | 2          |                                      |
| (c)       | 5     | 5          |                                      |
| (d)       | 3     | 3          |                                      |
| (e)       | 3     | 3          |                                      |
| (f)       | 4     | 4          |                                      |
|           | 20    | 20         |                                      |
| Problem 2 |       |            |                                      |
| (a)       | 4     | 4          |                                      |
| (b)       | 4     | 4          |                                      |
| (c)       | 3     | 4          | insufficient explanation for ellipse |
| (d)       | 4     | 4          |                                      |
| (e)       | 4     | 4          |                                      |
|           | 19    | 20         |                                      |
| Problem 3 |       |            |                                      |
| (a)       | 5     | 5          |                                      |
| (b)       | 7     | 7          |                                      |
|           | 12    | 12         |                                      |

|           | Score | Full Score | Comment             |
|-----------|-------|------------|---------------------|
| Problem 4 |       |            |                     |
| (a)       | 8     | 8          |                     |
| (b)       | 8     | 8          |                     |
| (c)       | 8     | 8          |                     |
|           | 24    | 24         |                     |
| Problem 5 |       |            |                     |
| (a)       | 4     | 4          |                     |
| (b)       | 4     | 4          |                     |
| (c)       | 3     | 6          | insufficient answer |
| (d)       | 5     | 5          |                     |
| (e)       | 5     | 5          |                     |
|           | 21    | 24         |                     |
| Total     | 96    | 100        |                     |