

## CE5310 Numerical Methods

## Homework #07

- 1.) Solve problem 5.4 on page 441 of your text. (Worked by hand)
- 2.) Solve problem 5.7 on page 443 of your text. (Worked by hand)
- 3.) Solve problem 5.18 on page 444 of your text using the following data. (Worked by hand)

X	0	10	20	30	40
Y	1	6	35	187	1009

- 4.) Solve problem 5.56 on page 448 of your text.

**Deliverables:**

- 1) A pdf including a title page, the problem statement. Your hand calcs should be scanned and added to you pdf submittal. ***Phone pics of your solution will not be accepted.***
- 2) All m-files, loaded separately, required for your solution to run.

**Grading:**

Your solution will be graded based on completion of the above requirements, correct performance, neatness and professionalism of pdf submittal.

**Grading Rubric****Required Program Components:**

Problem 1	25pnts	_____
Problem 2	25pnts	_____
Problem 3	25pnts	_____
Problem 4	25pnts	_____

**Deductions:**

<u>Properly formatted PDF</u>		
Title Page	-2pnts	_____
Table of Contents/pdf Bookmarks	-2pnts	_____
Problem Statement	-2pnts	_____

<u>m-files</u>		
Program Runs and completes required tasks:	-10pnts	_____
Overall Presentation:	-10pnts	_____
<b>Total Grade:</b>	100pnts	_____