

Module 5: Linear Equations and Function M-Files

M5 Exercise

Instructions

- 1. Do exercise 6.3 on page 160 of the textbook.
 - Submit an m-file named: hw5_exi_LastName.m.
- 2. Modify your solution to last week's exercise (**poly_curv_fit.m**) by implementing left division rather than explicitly implementing the least-squares matrix solution.
 - Submit an m-file named: poly_curv_fit_2_LastName.m.
- 3. Do a variation on exercise 7.5 on page 177 of the textbook. Do not implement an indefinite-length series. Instead implement a fixed-length series that terminates at the seventh-power term. Test it in the range of -3 < x < +3.
 - Submit an m-file named: myexp_lastName,m
 - o Please use the **Homework template (Word)** when submitting your work.

For this exercise, you should submit the following files in the M5 Exercise submission area:

- 1. hw5_ex1_LastName.m
- 2. poly_curv_fit_2_LastName.m
- 3. myexp_LastName.m

Note: Substitute your last name for LastName in all submitted files.

Please refer to the Course Schedule for due date.

Ohio University - Athens, Ohio