

ENGR141 Grade Report: MATLAB 3 PA				
Name	Kathryn Atherton	Total Points Earned	13.0	
Team	59	Total Points Possible	20	
Grader	Casey Schilling	Percentage Earned	65%	
Grading System Message(s)		Individual Assignment Grade		

Task 1				
Does flow diagram:		Pass	Part	Fail
Follow correct formatting shapes?		0	NA	-0.5
Check for error in input values?		0.5	0.25	0
Include a repetition structure to read all rows of values?		1	0.5	0
Include a loop (or any other appropriate structure) to cycle through values in each row?		1.5	0.75	0
Include a case structure to determine output?		1	0.5	0
Does the program:		Pass	Part	Fail
Have correct filename?		0	NA	-1
Have NO code standard issues?		0	NA	-1
Load data from "dynamics.txt"?		0.5	0.25	0
Check for errors in values?		0.5	0.25	0
Read through all rows of values?		0.5	0.25	0
Use a loop (or equivalent) to cycle through values in each row?		1	0.5	0
Use a case-structure (if-else or switch-case) to determine output?		1	0.5	0
Include units in output?		1	0.5	0
Format output as example?		0.5	NA	0
Test Case 1				
Input	Output	Pass	Part	Fail
2 5 12	1) Natural Frequency = 2.449 rad s-1; Damping Ratio = 0.510; Damped Frequency = 2.107 rad s-1; System is underdamped	0.5	0.25	0
Test Case 2				
Input	Output	Pass	Part	Fail
-7 3 13	1) Error in input values.	0.5	0.25	0
Test Case 3				
Input	Output	Pass	Part	Fail
5 30 1	1) Natural Frequency = 0.447 rad s-1; Damping ratio = 6.708; System is overdamped; Damped frequency does not exist	0.5	0.25	0
Test Case 4				
Input	Output	Pass	Part	Fail
1 2 1	1) Natural Frequency = 1.000 rad s-1; Damping ratio = 1.000; System is critically damped; Damped frequency does not exist.	0.5	0.25	0
Subtotal		7.3	of	11

Task 2				
Does flow diagram:		Pass	Part	Fail
Follow correct formatting shapes?		0	NA	-0.5
Represent a switch/case structure?		1	0.5	0
Contain error message indication and termination after two errors?		0.5	0.25	0
Read both upper and lower case words?		0.5	NA	0
Contain a repetition to run the loop continuously?		1	0.5	0
Does the program:		Pass	Part	Fail
Correct file name?		0	NA	-1
Have NO code standard issues?		0	NA	-1
Use switch-case structure? (Fail if contains if-else)		1.5	0.75	0
Output appropriate error message and terminate after two errors?		0.5	0.25	0
Develop a way to read words with upper and lower case for use in switch-case structure?		0.5	NA	0
Use a loop to run continuously?		1	0.5	0
Include appropriate units and appropriate formatting?		0.5	0.25	0
Test Case 1				
Input	Output	Pass	Part	Fail
pEnTagOn hExAgon nonNagon octagon Hetapgon	The area of the pentagon is 172.04774 m ² The area of the hexagon is 259.80762 m ² Error, no such shape is found! Try again! The area of the octagon is 482.84271 m ² Error, no such shape is found! Program terminated.	2	1	0
Subtotal		5.75	of	9

Total	13 of 20
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Grader Comments
<p>For Task 1: Comments should be a little more descriptive rather than just saying "Do the following for all rows in the matrix." Be sure to not forget your proper formatting,e tc. Other than that, a lot of your errors were some basic logic like only checking if the input values are 0 and not less than 0, and printing out all values even if they don't exist in that case.</p> <p>Task 2: I'm not sure because I forget the syntax for switch-case, but I think your shapes like pentagon should be shown as strings. When we ran your program it failed to actually run because it didn't like that line of code.</p>