

# ME 2016 Assignment HW4: Root Finding Application

Section: \_\_\_\_\_

Student: \_\_\_\_\_

## 15 Task 1: Working function engine\_force\_XYZ

<input type="text"/>	5	Correct initialization of the function
<input type="text"/>	5	Implementation of drive-train model
<input type="text"/>	5	Does the function work without errors?

## 15 Task 2: Working function resistance\_force\_XYZ

<input type="text"/>	5	Correct initialization of the function
<input type="text"/>	5	Implementation of resistance models
<input type="text"/>	5	Does the function work without errors?

## 30 Task 3: Script plot\_max\_velocities\_XYZ

<input type="text"/>	5	initialization
<input type="text"/>	5	definition of the function for which to solve
<input type="text"/>	5	Use of fzero to solve the problem
<input type="text"/>	5	computation of all the max velocities
<input type="text"/>	10	Plotting of the solution

## 20 Task 4: Interpretation

<input type="text"/>	5	Question 1
<input type="text"/>	5	Question 2
<input type="text"/>	10	Question 3

## 15 Coding Style

<input type="text"/>	5	Headers
<input type="text"/>	5	Appropriate choice of variable names
<input type="text"/>	5	Useful comments in code

## 5 Submission

<input type="text"/>	5	Correct submission (Hardcopy, t-square)
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100  Total - Out of 100 points

Comments: \_\_\_\_\_  
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