Module 5 - Programming Assignment - Regula Falsi

Result Table:

Bracket	Function 1 - y = $x^{4}-6x^{3}+12x^{2}-10x+3$			Function 2 - y = x^{3}-7x^{2}+15x-9		
	Root	Function Value at Root	# of Ite	Root	Function Value at Root	# of Ite
[2.5, 3.5]	2.99999999999998	7.105427357601002e-15	50	No Root Found	NA	0
[1.5, 2.5]	No Root Found	NA	0	No Root Found	NA	0
[0, 1.5]	1.0027348164706036	-4.085265548070538e-08	100000	1.00000000000000000	0.0	61

Note: I graphed both of the functions and saw that there were two roots at 1 and 3. I saw that the brackets we were supposed to use were [0, 1.5] and [1.5, 2.5]. There wasn't a root in between [1.5, 2.5] but there was at [2.5, 3.5] so I added that bracket to the results table but also kept [1.5, 2.5] to make sure everything was accounted for in the results and analysis.

Analysis: