Homework 5

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1 Problem 1

The solution is $-1.2571e + 03$.

2 Problem 2

The solution is $-1.2595e + 03$.

3 Problem 3a

The starting value is $[1, 1, 1]$, the solution is $[-0.5060, 2.4937, 1.3738]$, taking the value: 536.7241.

4 Problem 3b

The starting value is $[1, 1, 1]$, the solution is $[-0.4743, 2.0115, 1.3397]$, taking the value: 539.3724.

5 Problem 4

The starting value is $[1, 1, 1, 1, 0.1]$, the solution is $[-0.5280, 1.2679, 1.3756, 1.6619, 0.1080]$, taking the value: 506.0013.