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CDS 251

04/02/2020

Homework 8 & Lab 8

# Forward

This assignment completely stumped me (hence why I am turning in late). I have no idea what to label as the root or as m, etc, so I am kind of going on a whim here when I am submitting these. I tried to understand it through the notes, but I really don’t get it and probably should have emailed to get more information.

# Lab 8

Please see the lab file.

# Homework 8

|  |  |  |  |
| --- | --- | --- | --- |
| Method | X Values | Root | Iterations |
| Bisection | -1 & 10 | 4.1976 | 48 |
| Bisection | 10 & -5 | 9.4998 | 48 |
| Bisection | 5 & 6 | 5.5529 | 43 |
| Bisection | 15 & 13 | 14.885 | 44 |
| Bisection | 13 & 14 | 13.039 | 42 |
|  |  |  |  |
| Newtons | 4 | 4.1976 | 4 |
| Newtons | 5 | 5.5529 | 6 |
| Newtons | 9 | 9.4998 | 4 |
| Newtons | 13 | 13.039 | 3 |
| Newtons | 15 | 14.885 | 4 |