

Math 251: Problem Set 7

Due: March 23, 2010

- Section 4.4: 1, 5, 11, 17, 37, 43, 53

- Section 4.7: 3, 5, 11, 21, 35

- Section 4.8: 3, 5, 9, 11, 23, 31, 41

For the Matlab, just write down the Newton step; i.e. fill in $f(x)$ and $f'(x)$ in

$$x_{n+1} = x_n - \frac{f(x_n)}{f'(x_n)}$$

- Section 4.9: 1, 3, 9, 21, 25, 31, 41, 43, 49, 51 59