

Math 251: Problem Set 8

Due: November 5, 2009

- 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

- Section 5.1: 3, 5, 7, 17

If you use Matlab to draw the curve and rectangles when the problem asks to sketch the curve, you will get extra credit.