

MACM 316 – Spring 2005: Assignment 4

Web Site: www.cecm.sfu.ca/~hle/teaching/MACM316/

Due: Monday, March 21

R.L. Burden, J.D. Faires. Numerical Analysis, seventh edition.

Section 2.1: 2a, 9c, 13.

Section 2.2: 3, 18a.

Section 2.3: 2, 4, 5c, 7c .

Section 2.4: 2a (the first part), 4a, 8.

Section 2.5: 1a, 3, 12a, 13.

Bonus: Implement Newton's method (Algorithm 2.3, p.67), Secant's method (Algorithm 2.4, p.71), Method of False Position (Algorithm 2.5, p.73), and run these three methods using Exercise 6, p.75 as input.