MATH 321-01 (151) HW # 1

Q1.Problem 15 (b) and (d) textbook page 29

Q2. Let $f(x) = 2.753x^3 - 2.958x^2 + 3.169x - 4.675$

(a) Write f(x) in nested form.

(b) How many multiplications are there in the usual form?

(c) How many multiplications are there in the nested form?

(d) Evaluae f(x) at x = 1.077 using: exact arithmetic, 3-digit chopping, and 3-digit rounding

(e) Determine the absolute error and the relative error for each evaluation.