Newton's Method

1. Complete two iterations of Newton's Method for the function using the given initial guess.
(similar to p.195 #2)

$$f(x) = x^3 - 5x + 1, \quad x_1 = 2$$

2. Approximate the zero(s) of the function. Use Newton's Method and continue the process until two successive approximations differ by less than 0.001. Then find the zero(s) using a graphing utility and compare the results.
(similar to p.195 #8)

$$f(x) = x^4 - 2x - 3$$