Due on Thursday 03/09/06
You need to show all your work and explain with following the guideline described in the class webpage to get the full credit. And please staple your HW papers.

HW 7 Due on Thursday 03/09/06

Before doing this HW, go over the algorithms of Bisection method and Newton’s method with examples given in class.

1. Find an approximation of a solution to the equation $x^3 + 6x - 3 = 0$ by using Bisection method with accuracy 0.09.

2. Find an approximation of a solution to the equation $x^3 + 6x - 3 = 0$ by using Newton’s method with accuracy 0.09.

3. Evaluate the following:
   1. $\sum_{k=1}^{20} (k^2 - k + 2) =$
   2. $\sum_{k=10}^{30} 3 \left( \frac{1}{2} \right)^k =$