Math 1210-009 Fall 2013

Extra Credit Problem for First Midterm

26th September 2013

Name:

This problem is similar to problem 4a of the First Midterm. The points will be added to the scores of the test. There are 6 points, so you can gain 12 % on the test score.
To be turned in on Wednesday 2nd October 2013.
Please show all your work and make sure your reasoning is correct.

State the Intermediate Value Theorem and use it to show that the equation $-15x^3 + 2x^2 - 5x + 3 = 0$ has a solution between -1 and $+1$.