CSC 383, Sections 401 and 410
Fall, 2011
Assignment 6
Due 11:59pm CT, Tuesday, October 11th

Requirements. You are going to complete the implementation of the `ExpressionTree` class I presented in lecture. I have posted the code and I will shortly post a test program.

The larger part of the assignment is to implement the `evaluate` method. Do this recursively. The base case is for a node containing a value and for that the method returns a double value derived from converting the string (use `Double.parseDouble` for this). The recursive case is for an operator. Recursively evaluate each of the children and then apply the operator to those values.

Submit a zip file called `ExpressionTree.zip` containing a single source file called `ExpressionTree.java`. Just to be clear: the class is not to contain a main method. That will be in the test program I provide.

Grading rubric: This assignment is worth 30 points, with points assigned as follows:

- Variable and method names descriptive and mnemonic (4 points)
- Comment block with information specified (4 points)
- The program runs correctly to completion and prints correct output (20 points)
- Code is properly indented (2 points)

Beyond the above rubric, 2 points will be deducted for each missed requirement. If I say to do something a certain way, do it that way.