Test case ID: TC01

Test case description: Verify that the calculator correctly identifies precedence of parentheses

Test data: (3+(4\*2))-5  
Expected Results: 6

Actual Results:

Pass/Fail Status:

Test case ID: TC02

Test case description: Verify that the calculator correctly handles double negatives

Test data: (-5)^2+(-5)^2  
Expected Results: 50

Actual Results:

Pass/Fail Status:

Test case ID: TC03

Test case description: Verify that the calculator returns a syntax error

Test data: 3+2+  
Expected Results: Syntax Error

Actual Results:

Pass/Fail Status:  
  
Test case ID: TC04

Test case description: Verify that the calculator handles all operators correctly

Test data: (3+1)\*(2-(3^2))  
Expected Results: -28

Actual Results:

Pass/Fail Status: