## Expression Evaluation Using Stack

Evaluate an expression represented by a String.
Expression can contain parentheses, you can assume parentheses are well-matched.
For simplicity, you can assume only binary operations allowed are,+- , *, and /.
Arithmetic Expressions can be written in one of three forms:
Infix Notation: Operators are written between the operands they operate on, e.g. $\quad 5 *(3+4)-6$

Your program should read input strings from file.
input file format:
e.g.

5* $(3+4)-6$
10-18/-2
11/5 * (3+3)
$1 / 3$ * 5

Write all output result to file "project1_output.txt":
output file format:
e.g.
$5 *(3+4)-6=29$
10-18/-2 = 19
$11 / 5 *(3+3)=13.2$
$1 / 3 * 5=1.67$

## Note:

1. Your answer should round to 2 decimal places.
2. You should solve this problem using Stack.
3. Put all your java classes in 1 file:

Filename format:
Firstname_Lastname_CUNYID\#_Project1.java
4. Make sure your java code can be tested using Java 8.

