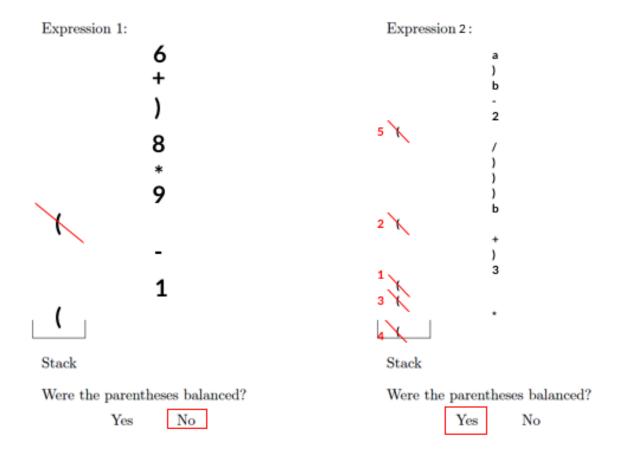
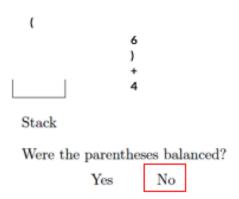
# CSC148 Worksheet 9 Solution

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# Question 1



#### Expression 3:



## Question 2

- a. For each character being received,
  - 1. If the character is left parenthesis, then we need to store it in stack using push() method
  - 2. If the character is right parenthesis
    - 1. First, check for the non-emptiness of stack.
    - 2. If the list is not empty, then we need to pop an element form stack.
    - 3. If list is empty, then we need to raise error.
  - 3. If the character is other than left or right parenthesis, then pass the character.
- b. We will know the parenthesis are balanced when the number of elements in stack is zero after traversing a string.

## Question 3

### Question 4