Question 2 - Time Efficiency Analysis

Pushing n elements to stack: O(1)

Since the function is constant time, it does not matter how many elements are placed into the stack. That is why it is O(1) and not something like O(n).

Pop n elements from stack: O(n)

Popping is O(n) because there is also a while loop inside the function. While loops depend on how many are already in the stack, so it is O(n).