Problem 1:

Recursive:

- Has pending operations
- Time complexity is the same as the iterative
- Space complexity is worse since it has pending operations
- It requires a base case to stop the program from infinitely repeating.

Iterative:

- Doesnt have pending operations
- Time complexity is the same as the recursive
- Space complexity is better since no pending operations
- It requires an extra parameter
- It requires a base case to stop the program from infinitely repeating.

Problem 2a:

Problem 2b:

Problem 3: