

## 3) (5 pts) ALG (Stacks)

Evaluate the following postfix expression shown below, using the algorithm that utilizes an operand stack. Put the value of the expression in the slot provided and show the state of the operand stack (in this case the stacks should just have numbers in them) at each of the indicated points in the expression:

3   4   2   1   +   \*   24   **A**   6   /   9   **B**   4   -   **C**   +   -   /


**A**


**B**


**C**

Value of the Postfix Expression: \_\_\_\_\_