**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**CSC 18C Quiz #3 (25 pts) – May 3rd, 2016**

All answers must be of your own work. Type out your answers and submit your quiz through Blackboard for Quiz #2 as either a MS Word document or PDF file (Mac users using Pages, make sure to Export to MS Word).

1. **True / False**: The first item added to a stack is the first one removed. ( 4 points )
2. **True / False:** A stack restricts access to its entries. ( 4 points )
3. When you remove an item from a stack, you remove it from: ( 4 points )
   1. the top of the stack
   2. the bottom bottom of the stack
   3. the middle of the stack
   4. wherever the client specifies
4. Stacks exhibit which type of behavior? ( 4 points )
   1. first-in, first out
   2. first-in, last out
   3. last-in, first out
   4. last-in, last out
5. Draw the resultant stack after the following operations: ( 5 points )
6. push(X)
7. push(Q)
8. push (Y)
9. push(M)
10. pop()
11. pop()
12. push(T)

Make sure to label the top entry of your stack after the last operation has been executed.