

## Problem Set 8, Problems 1, and 2

### Problem 1: Tracing function calls

*IMPORTANT: This heading should appear at the very top of the second page.*

global variables

a	b	c
2	3	8
2	6	8

foo's local variables

a	b	c
8	2	3
12	2	6
14	2	6

bar's local variables

a	c	b
6	12	
6	12	7
6	12	14

mystery's local variables

c	a
6	
6	9
6	7
12	15
12	7

output (the lines printed by the program)

2 3 8

foo 12 2 6

bar 6 12 7

foo 14 2 6

2 6 8

**Problem Set 8, Problems 1, and 2****Problem 2: Understanding loops**

*IMPORTANT: This heading should appear at the very top of the third page.*

**2-1)**

<b>i</b>	<b>values[i]</b>	<b>values[i-1]</b>	<b>count</b>
-	-	-	0
0	8	6	1
1	5	8	1
2	3	5	1
3	7	3	2
4	1	7	2
5	6	1	3

return value = 3

**2-2)**

<b>a</b>	<b>b</b>	<b>value printed</b>
12	4	12 4
8	3	5
5	2	3
3	1	2
2	0	2