## Function Stack Tracing Homework Sample Solutions

1) Scratch	Stack	
foo(3) =? 8	mainl	
f(3)=7 11	ban   2 = 2 y = 3	19
role: print ('In foo') does Not hope	$\int_{a=2}^{600}$	11/
does Not hyper	foo	8
	a=3 b=11	
Printed Odpot		

The value is 19

2) Scratch

Stank f3 n=2 f2 f1 f3 n=6

f2]
f1]
f1]
f1]

mushroom
snaaaate
mushroom
sady
mushroom
sady
mushroom
snale
mushroom

Stack

Notice that j is

Notice that j is

Stack

Main 3

S=808xxz W N 8 710

i=8xz 8 x 5

j=98x bxz 8xz 3 8xz 3 4

time outer loop

time outer loop

Notice that j is

Notice that j is

S=808xxz W N 8 710

i=8xz 8 x 5

j=98x bxz 8xz 3 8xz 3 4

Notice that j is

S=808xxz W N 8 710

i=8xz 8 x z 8 x z 3 8xz 3 4

i=8xz 8 x z 8 x z 3 8xz 3 4

I in extents

10