

NAME: _____

CS21, Written portion of Lab 05 (Newhall)

Swarthmore College, Fall 2011

Due at the start of class Wed, 5 2011

Consider the following program:

```
def main():
    a = 10
    b = 55
    # this prints the names of main's local variables and parameters
    print "in main.....dir() = ", dir()
    result = absval(a,b)
    print "The absolute value of ", a, "-", b, "is ", result

def absval(x,y):
    print "in function...dir() = ", dir()
    if x > y:
        z = x - y
    else:
        z = y - x
    #
    ### Draw stack here ###
    #
    return z

main()
```

1. Draw the stack at the point labelled in the absval function.
2. What output is produced by the whole program?