NAME: _____

CS21B Spring 2012, Written portion of Lab 05 (Soni)

Due in class Tuesday, February 21, 2012

Consider the following program:

```
def main():                                      STACK
  a = 8                                           -----
  b = 13
  print "in main..."
  result = coolfunc(a,b)
  ####scope a)
  print "The result is:", result

def coolfunc(x,y):
  print "in function..."
  ####scope b)
  if x > y:
    z = x - y
  else:
    z = x + y
  #
  ### Draw stack frame here ###
  #
  return z
main()
```

1. Above, draw the stack frame as it appears at the point labelled in the
   coolfunc function.

2. For the line #stack a), what variables are currently in scope?

3. For the line #stack b), what variables are currently in scope?

4. What output is produced by the whole program?