Name:			
Name.			
r vario.			

CS21 Lab 4 Written Part – Due: Mon, Oct. 06, beginning of class

```
def mystery(x, y, number):
                                                                DRAW STACK HERE
      print("in mystery")
       # see Question 3
       if (x < number):
           number = y
       # Draw stack at this point in execution
      return number
9
  def main():
11
      print("in main")
12
13
      a = 5
14
      b = 3
      val = 12
17
      answer = mystery(a, b, val)
18
19
       # see Question 2
20
      print("answer: %d." % answer)
21
      print("val: %d" % val)
22
23
24
26 main()
```

- 1. To the right of the program code (in the area beneath DRAW STACK HERE), draw the stack as it appears when the program reaches line 8.
- 2. At line 20 (marked # see Question 2), what variables are currently in scope? That is, what variables can you refer to in main on line 20 without getting a runtime error.
- 3. At line 4 (marked # see Question 3), what variables are currently in scope? That is, what variables can you refer to in mystery on line 4 without getting a runtime error.
- 4. Below, give the output that would be produced by running the whole program to completion: