Some Issues Regarding Prelab or Exam Questions

A. If you are asked "What does this program print?"

```python
def foo(x):
    print(x+1)
def main():
    for a in range(1, 3):
        foo(a)
main()
```

Your answer should be 2
                      3
not "Function main calls function foo with ...."

B. If a question says "Write a function foo(x) that returns ...." and your function has a print statement but no return statement, your function is wrong.

C. Variables that are defined outside of any function are called *global variables.* The rules for how global variables work are fairly complicated. Some people in the class are writing code like this:

```
x = 6
def foo(y):
        y = y + x
        print(y)

foo(23)
```

This will cause problems as our programs get longer. If you are going to use functions, put everything in a function and don't use global variables.