

CS:1210 Quiz 5 Version (a)

You have 15 minutes to complete this quiz. Please put away your books, notes, and all electronic devices

1. What is the output produced when the following program is executed?

```
def foo2(p, q):
    global n
    n = n + 2
    m = 1
    return p * q - m * n

# main program
m = 5
n = 7
while n <= 13:
    print(foo2(m, n))
    print(m, n)
```

2. Write a function called `probDist` that, when called, returns 1 with probability $1/4$, 2 with probability $1/2$, and 3 with probability $1/4$. The function takes no parameters and therefore has the following function header:

```
def probDist():
```

Hint: Start by calling `random.randint(1, 4)`. Remember that this function call returns 1 with probability $1/4$, 2 with probability $1/4$, 3 with probability $1/4$, and 4 with probability $1/4$.