

Name:

Introduction to Programming in Python, I Semester, 2011–2012
Quiz 2, 8 September 2011

Answer all questions in the space provided. Use the reverse for rough work, if any.
Don't forget to fill your name!

1. What is the output of the following Python program?

```
def f(l):
    l.extend(l[1:])
    return l

def g(l):
    return(l + l[1:])

list1 = [7,3,9]
list2 = f(list1)
list3 = [19,4]
list4 = g(list3)
print(list1,list2,list3,list4)
```

(5 marks)

Your answer:

[7,3,9,3,9] [7,3,9,3,9] [19,4] [19,4,4]

2. Complete the following recursive definition to reverse a list. Insert exactly one expression for each of the return statements.

```
def myreverse(l):
    if l == []:
        return (          1          )
    else:
        return ( l[-1:] + myreverse(l[:-1]) )
```

(5 marks)