

22C:16 Quiz 2
Date: Jan 31st, 2012

1. Write down the output produced by the following program:

```
n = 13
while n != 1:
    print n
    if n % 2 == 0:
        n = n/2
    else:
        n = 3*n + 1
```

10
5
16
8
4
2

2. Write down the output produced by the following program:

```
n = 1
m = 30
while n*n <= m:
    if m % n == 0:
        print "Line 1", n, m
        m = m - 1
        n = n + 1
    else:
        print "Line 2", n, m
        n = n + 3
        m = m - 1
```

Line 1 1 30
Line 2 2 29
Line 2 5 28