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Com S 127x 10/26/2016 Group quiz

1. Trace the execution of the call mystery(3) and fill in the new values of the variables at the end of each iteration of the loop (where it reaches the point labeled (*)). There may be more rows than you need.

```
def mystery(n):
count = 0
while n != 1:
    if n % 2 == 0:
        n = n // 2
else:
    n = n * 3 + 1
count += 1
# (*)
return count
```

	count	n
(Initial values)	0	3
First iteration		
Second iteration		
Third iteration		

2. Assuming the variables n, t, size, and turn_angle are defined, the following loop draws an n-sided polygon using the turtle t. Rewrite it to use a while-loop instead of a for-loop.

```
for count in range(n):
t.forward(size)
t.left(turn angle)
```