

Individual Quiz:

Name: _____

What is the behavior of the following function. Mark the correct answer.

```
def lv():  
    x = 5  
    while x < 10:  
        x *= 0.99  
        print(x)
```

- (a) The function will print out a number very close to 10, but a little bit smaller.
- (b) The function will print out 4.95 and then smaller and smaller numbers. It appears to go on forever, but the number printed out will eventually be so small that it will be rounded to zero and then only zeroes will be printed out.
- (c) The function will print out 5 and then stop because $5 < 10$.
- (d) The function will not print out anything.
- (e) The computer will emit smoke and then explode. This function is a known security risk, but a good anti-virus software will detect it and disable it.