Discussion 5: Mutability

What are the values of the script variables x and y after the given script finishes running?

a.

```
script variables x y
set x to 123
set y to list 1 2 3
set x to six
set y to six
```

x: _____________
y: _____________

b.

```
script variables x y
set x to 123
set y to list 1 2 3
add six to x
add six to y
```

x: _____________
y: _____________

Challenge: Errors Galore

The following questions are based off this block:

```
+ square + numbers + in + list +
script variables new
set new to list
for i = 1 to length of new
  replace item i of new with item i of new * item i of new
```

a. When running this block, we get the following error: _____________

What caused this error, and how can we fix it?
b. Now, that we’ve fixed it, we try to test our code, but we get another error:

How can we fix this?

c. Now, we try running the following test, but it doesn’t work as expected:

Why does it report this, and how can we fix it?