Name: _____

Swift: Arrays

Part 1: Evaluating Arrays

First, read through the following code.

Then, mark the lines that produce compiler errors with asterisks.

Finally, write the output of the code if you were to change

`let theArray`

to

`var theArray`

in line 1.

```
let theArray = [9, 3, 0]
print(theArray[1])
* theArray[0] = 7
* theArray[1] = -6
print(theArray)
* theArray.append(23)
* theArray[3] = 12
* theArray.append(92)
* theArray[theArray.count - 2] = 73
print(theArray)
```

The output is (after changing let to var):

3
[7, -6, 0]
[7, -6, 0, 73, 92]

Part 2: Iterating Over Arrays, Backwards!

Below is some Swift code, with some blanks to fill in. Your goal is to print:

```
1
2
3
4
```

Fill in the blanks so that the above output is printed.

```
let theArray = [4, 3, 2, 1]

var i = theArray.count - 1

while i >= 0 {

      let value = theArray[i]
      print(value)

      i -= 1
}
```

Now repeat the same exercise. Note that the starting value for `i` is different.

```
let theArray = [4, 3, 2, 1]

var i = 0

while i < theArray.count {

      let value = theArray[theArray.count - i - 1]
      print(value)

      i += 1

}
```