

## CSC301 Assignment #9

Chapter 18, Exercise 6:

This code fragment uses arrays in Java. The first line declares and allocates an array of two integers. The next two lines initialize it. (Java arrays are indexed starting from 0.)

```
int[] A = new int[2];
A[0] = 0;
A[1] = 2;
f(A[0], A[A[0]]);
```

Function `f` is defined as:

```
void f(int x, int y) {
    x = 1;
    y = 3;
}
```

For each of the following parameter-passing methods, saw what the final values in the array `A` would be, after the call to `f`. (There may be more than one correct answer.)

- a. By value.
- b. By reference.
- c. By value-result.

**Grading:** One point for each correct answer; one point for each correct explanation using complete sentences and your own words.