1. Consider the following methods:

```java
public static void method1(int[] array) {
    array = new int[5];
    array[0] = 4;
    array[array.length-1] = 10;
}
```

```java
public static void method2(int[] array) {
    array[0] = array[array.length-1];
    array[array.length-1] = array[0];
}
```

```java
public static void method3(int[] array) {
    int t = array[0];
    array[0] = array[array.length-1];
    array[array.length-1] = t;
}
```

You are given the following array declaration:
```java
int[] a = {9, 2, 4, -3, 0};
```
Draw the array `a` after each of the following method calls executes. Assume the questions are independent and begin with the original array `a` above.

(a) (2 points) method1(a)

(b) (2 points) method2(a)

(c) (2 points) method3(a)
2. Select the best answer for each of the following questions.

(a) (1 point) What is the value of `args[0]` if a program is invoked with the command line:

```
java Program 10 h 12.6 hello true
```

A. java  
B. Program  
C. 10  
D. A  
E. 11  

(b) (1 point) What type is `args[2]` if a program is invoked with the command line:

```
java Program 10 h 12.6 hello true
```

A. int  
B. char  
C. double  
D. String  
E. boolean  

(c) (1 point) Accessing which of the following would cause a runtime error if a program was invoked with the command line:

```
java Program 10 h 12.6 hello
```

A. `args[0]`  
B. `args[1]`  
C. `args[2]`  
D. `args[3]`  
E. `args[4]`  

3. Consider the following array, and then answer the following questions. Assume each question begins with the same initial array given below.

```
-64  -126  0  25  -6  14  1
```

(a) (3 points) Draw the array after one element has been sorted using the bubble sort algorithm.

(b) (3 points) Draw the array after one element has been sorted using the selection sort algorithm.