

Name \_\_\_\_\_ Period \_\_\_\_\_

**Skill 24.1: Exercise 1**

Consider the following code,

```
int a = 3;  
int b = a;  
b = 100;  
  
int[] c = {1, 2, 3, 4};  
int[] d = c;  
d[1] = 99;  
d = new int[5]  
  
int[] e = {5, 6, 7, 8};  
int[] f = {5, 6, 7, 8};  
  
f[1] = 98;  
e = f;  
  
String g = "hello";  
String h = g;  
h = "goodbye";
```

(a) What values are stored in d after the above code is executed?

(b) What values are stored in c after the above code is executed?

(c) What is the value of b after the above code is executed?

**Skill 24.2: Exercise 1**

Refer to the code below to answer the following,

```
public class Tester
{
    public static void main(String args[ ])
    {
        int s[ ] = {1, 2, 3, 4, 5, 6};

        for(int g = 0; g < s.length; g++)
            System.out.print(s[s] + " ");
        System.out.print("\n");

        testMethod(s);

        for(int g = 0; g < s.length; g++)
            System.out.print(s[g] + " ");
    }

    public static void testMethod(int pp[ ])
    {
        int len = pp.length;
        int t2[ ] = new int[len];

        for(int j = 0; j < len; j++)
            t2[j] = pp[len - j - 1];

        for(int k = 0; k < t2.length; k++)
            System.out.print(t2[k] + " ");

        System.out.print("\n");
        pp = t2;
    }
}
```

Complete the stack and heap diagram, then indicate the output that would be printed

Stack	Heap	Output

