EXAM VERSION:

```
public class QuestionThree {
    public static void main(String[] args) {
        int[] arr = { 5, 5, 5, 5, 5 };
        int arr2[] = new int[2];
        int \times = 2;
        method(arr, x);
        for (int i = 1; i < arr.length; i++) {</pre>
            System.out.print(arr[i] + x);
        }
        for (int j = 0; j < arr2.length; j++) {</pre>
            System.out.print(arr2[j] * x);
        }
    public static void method(int[] arr, int x) {
        arr[x] = 4:
        x = 3;
    }
```

```
public class QuestionTwo {
    static void methodOne(int[] arr2) {
        int[] arr1 = new int[6];
        arr1 = arr2;
        System.out.println(arr1.length);
        System.out.println(arr2.length);
        System.out.println(arr2[2]);
    }
    public static void main(String[] args) {
        int[] a = {1,2,3};
        methodOne(a);
        System.out.println(a.length);
    }
}
```

```
public class QuestionFour {
    public static void main(String[] args) {
        int x = 0;
        int[] y = new int[10];
        m(x, y);
        System.out.println(x);
        System.out.println(y[x]);
        System.out.println(y[x + 1]);

}

public static void m(int number, int[] numbers) {
        numbers[number] = number + 1;
        number = numbers[1] + (number + 3) % 2;
        numbers[number] = number + 1;
}
```

```
public class QuestionFive {
    public static void main(String[] args) {
        // Show the changes for the first 4 iterations (outer Loop)
        int[] num = {1,2,4,6};
        MethodOne(num);
    }
    public static void MethodOne(int[] num) {
        int j;
        int key;
        int i;
        for (j = 1; j < num.length; j++) {</pre>
            key = num[j];
            for (i = j - 1; (i \ge 0) \&\& (num[i] < key); i--) {
                num[i + 1] = num[i];
            }
            num[i + 1] = key;
            printArray(num,j);
        }
    }
    public static void printArray(int[]arr, int k) {
        System.out.print("Iteration Number " + k + ":");
        for(int i = 0; i<arr.length;i++)</pre>
            System.out.print(arr[i]);
        System.out.println();
}
```

Question X:

What is the output?

```
public class QuestionSix
    public static void methodCS101(int arr[])
        int n = arr.length;
        for (int i = 0; i < n-1; i++)
            int min idx = i;
            for (int j = i+1; j < n; j++)
                if (arr[j] < arr[min_idx])</pre>
                     min_idx = j;
            int temp = arr[min_idx];
            arr[min idx] = arr[i];
            arr[i] = temp;
            if(i==0 | i==1)
                printArray(arr);
        }
    }
    public static void printArray(int arr[])
        int n = arr.length;
        for (int i=0; i<n; ++i)</pre>
            System.out.print(arr[i]+" ");
        System.out.println();
    }
    public static void main(String args[])
        int arr[] = \{64,25,12,22\};
        methodCS101(arr);
    }
}
```