1. Consider the following array:
   ```java
   int[] list = { 4, 3, 2, 0, -1 };
   ```

   A. (5 points) What is the value of `x` after the following line of code executes?
      ```java
      x = list.length;
      ```
      5

   B. (5 points) What is the value of `x` after the following line of code executes?
      ```java
      x = list[1] + list[4];
      ```
      2 (3 + -1)

   C. (15 points) Draw the array after the following loop is executed:
      ```java
      for (int i = 0; i < list.length-1; i++) {
         list[i] -= list[i+1];
      }
      ```
      Answer: `{ 1, 1, 2, 1, -1 }`

2. (25 points) Fill in the blanks in the following code segment to make a function that will return
   the element of the given array with the highest value (find the max).

   ```java
   public static int findMax( ){
      int[] a = {5, 9, 0, 12, 7, 11};
      int max = a[0];
      for ( int i = __0 or 1__; ___i < a.length_________; i++) {
         if( _____a[i] > max______________ ) {
            _____max______ = _____a[i]__________;
         }
      }
      return max;
   }
   ```