Name _____

Period _____   Date _____

AP Computer Science 'A' Practice Java Quiz #7 (30 Points)
On paper, closed computer, notes, and books

For this quiz you are to write only two separate Java methods, not a complete class. You should not have a 'main' method or import statements or use global variables. You are not required to comment your code.

1) Complete the Java method for the signature shown below. The method takes one argument, an array of any number of positive integers, and returns a new array of the same length that consists of only zeros and ones. For each element, if the number in the original list is even, then the number in the new list should be zero (0). If the original number is odd, then the new number should be one (1). For example, if the original array consists of {7, 18, 5, 1, 246}, then the new (returned) array should consist of {1, 0, 1, 1, 0}. The method should not print anything or get any user input, and it should not modify the original array.

```
public static int[] examineForEvenOdd(int[] numbers)
{




}
```

2) Complete the Java method for the signature shown below. The method takes one argument, an array of any number of unordered integers, and returns 'true' if the first element in the array appears at least one other time in the list; if the first element does not appear again in the list, then the method returns 'false'. For example, if the array consists of {14, -9, 5, 201, 14, -36}, then the method should return 'true', since the number 14 appears more than once. Or, if the array consists of {3, 0, 7, -6, 0}, then the method should return 'false', since 3 appears only one time. The method should not print anything or get any user input.

```
public static boolean compareFirstElement(int[] listOfNums)
{




}
```