

No: _____

Date: ____/____/____

* Largest Number

(3, 30, 34, 5, 9)

take each pair & compare:

3, 30 \leftrightarrow 30, 3

3, 34 \leftrightarrow 34, 3

If swap is needed to make the largest number, do so.

```
Arrays.sort(____, new comparator<>() {  
    compare(o1, o2)  
    return (o1 + o2).compareTo(o2 + o1)  
})
```

to reverse order (descending order)

$O_1.compareTo(O_2) \rightarrow$ 0 if equals
val > 0 if O_1 is greater
val < 0 if O_2 is greater.

In comparator, if val > 0, swap