Pop Quiz 6
October 10, 2003
5 Points

1. TRUE OR FALSE: The worst-case time complexity of heapsort is the same as the average-case time complexity of quicksort.

2. TRUE OR FALSE: Insertion sort is faster than selection sort when the input array is already in sorted order.

3. TRUE OR FALSE: Both mergesort and quicksort are in-place sorts.

4. TRUE OR FALSE: Binary search is the basis for selection sort.

5. TRUE OR FALSE: Today is Friday!
Solutions to Pop Quiz 6

1. TRUE OR FALSE: The worst-case time complexity of heapsort is the same as the average-case time complexity of quicksort. TRUE.

2. TRUE OR FALSE: Insertion sort is faster than selection sort when the input array is already in sorted order. TRUE.

3. TRUE OR FALSE: Both mergesort and quicksort are in-place sorts. FALSE.

4. Binary search is the basis for selection sort. FALSE.

5. Today is Friday! TRUE!