Class Assignment

Review One-Dimensional ARRAYS

1.

A. Because of its efficiency, binary search is the best search for any array, regardless of its size and order.

True / False

- **B.** Under what circumstances should we use binary search?
- 2. Using Binary Search, which elements in the array

are compared to the target, when the target is

- A. target = 40
- **B.** target = 75
- 3. A. The _____ sort finds the smallest element from the unsorted sub-list and swaps it with the element at the beginning of the unsorted data.
 - **B.** The efficient version of the _____ sort does not exchange elements.
- 4. An array contains the elements shown below. Show the contents of the array after \underline{two} passes of the
 - **A.** Insertion sort algorithm.

B. Selection sort algorithm.

5. Predict the output (no computers please, and show how did you get the answer).