Name: _____

In-Class Activity 5

We saw some examples of <u>Insertion sort</u>, <u>Merge sort</u> and <u>Quicksort</u> in class today. This activity is meant to be a starting point of your Programming Project 3, in which you will implement the three sorting algorithms in C++.

Working in a group, you will complete the following tasks. (We will shuffle groups twice during the activity. The course staff will be walking around in the room and can join conversations in your group.)

1) Simulate each of the three sorting algorithms using the pieces of paper that you took from the front deck.
2) Write pseudocode of each of the three sorting algorithms. It doesn't need to be perfect at this point. You can begin by using human language, and then try translating it to pseudocode.
3) Write how you would explain to a person over the phone about characteristics of each of the three algorithms.

Name: _____