Quiz 16: ArrayLists and recursion

Name: _____

CSCI 110 Section 1

Monday, October 3, 2016

1) Write a recursive function that takes an ArrayList<Integer> and an int, and returns true if the int exists in the ArrayList<Integer>. (this should be recursive i.e. do not use loops, indexOf, or contains). [warmup]

2) Write a recursive function that takes an ArrayList<Integer> and returns the element with the maximum value. Hint: Math.max() returns the greater of two int values, so Math.max(5, 7) == 7. [100 points]