In-Class Activity #5

Name #1: ____________________________  Section Leader: ____________
Name #2: ____________________________  Section Leader: ____________
Name #3: ____________________________  Section Leader: ____________

Directions: In groups of 2 or 3, without using electronics, answer the following questions to the best of your combined abilities. When appropriate, show your work, to help us understand your thought process. ICAs (In-Class Activities) count toward your grade; please take them seriously. Week 8 (2015/10/14)

1. ArrayList has a method indexOf(Object) that returns the index of the first occurrence of the given Object’s content. What is an error situation that the programmer who wrote indexOf(Object) should have thought about before s/he wrote this method?

2. In section this week you wrote code for some sequence classes. Write an additional public instance method for the ArithmeticSequence class named reverse() that reverses the sequence and changes the common difference to match. For example, if the current object is holding the sequence [1, 3, 5, 7, 9] with a common difference of 2, reverse() will change the sequence to [9, 7, 5, 3, 1] with a common difference of -2. Remember that the array is named sequence, numTerms holds the number of terms in the sequence, and capacity is sequence’s size.

When your group is satisfied with your answers, or time is up, hand this to one of the class staff. We’ll review the correct answers after time is up.