Worksheet: ArrayLists 2 Name: _____

Code for Worksheet	**"Help Center"**	**Returns…**
ArrayList<Integer> topScores = new ArrayList( );	arrayListName.add(whatToAdd);	true
topScores.add(1241);	arrayListName.add(index#, whatToAdd);	true
topScores.add(1209);	arrayListName.remove(whatToRemove);	item removed
topScores.add(1182);	arrayListName.get(indexToGet);	item retrieved
topScores.add(1191);	arrayListName.indexOf(whatYouLookFor);	index #
topScores.add(1008);	arrayListName.size( );	integer length
/* INSERT CODE HERE */	arrayListName.set(index#, whatToPutIn);	item replaced

1. Write **one line of code** to replace /* INSERT CODE HERE */ that removes 1181 from the list and adds it back to the list at index 2 (where it belongs).

2. Replace the /* INSERT CODE HERE */ with the following line of code. What happens?
   topScores.add(0,topScores.get(0));

3. If /* INSERT CODE HERE */ is replaced with the code below, what will the output be?
   System.out.print(topScores.indexOf(1209)+topScores.get(3));

4. If /* INSERT CODE HERE */ is replaced with the code below, what will the output be?
   System.out.print((topScores.get(0) – topScores.get(1))%topScores.size( ));

5. Write a for-loop that replaces /* INSERT CODE HERE */ and adds all the integers in the ArrayList, storing the sum into a global variable called ***sum***.

6. Write one line of code to add after your code from problem #5 so that the average topScore is displayed (be sure to use an ArrayList method and not an integer). Also, be sure that your display supports the use of decimal answers for the average.