Arrays Lecture Clicker Answers

Clicker Question 1
Which of the following is the correct way to declare and initialize an array of ints named greenEggs, of size 5?
A. int greenEggs = new array(5);
B. int[] greenEggs = new array(5);
C. int[] greenEggs = new int[5];
D. int[5] greenEggs = new int[];

Clicker Question 2
Consider the sum function from slide 22:
public int sum (int[] numbers){
    int total = 0;
    for (int i=0; i < numbers.length; i++){
        total += numbers[i];
    }
    return total;
}
What if the code read  i <= numbers.length?
A. It would wrap around and add the value at index 0 again
B. It would reach the last element of the array
C. It would raise an IndexOutOfBoundsException
A: The last index accessible in numbers is numbers.length - 1, so you would get an off-by-one error

Clicker Question 3
If we want to access the third row, sixth column slot on a chessboard, with column-major order, which indices would we need to supply?
A. chessboard[3][6]
B. chessboard[6][3]
C. chessboard[2][5]
D. chessboard[5][2]
A: Remember that array indices start at 0. “Column-major” means you index by col, row.

Clicker Question 4
Which of the following uses an ArrayList correctly?
A. ArrayList<String> seussQuotes = new ArrayList<String>();
   String x = seussQuotes.get(1);
B. ArrayList<ElementType> seussQuotes = new ArrayList;
String x = seussQuotes[0];
C. ArrayList<Strings> seussQuotes = new ArrayList<ElementType>();
String x = seussQuotes.first();
D. ArrayList<String> seussQuotes = new ArrayList<String>;
String x = seussQuotes.get(0);