Java Writing Two Dimensional Arrays worksheet #1 Name -Period -

1. Write a code segment that computes the averages of the values in the columns of the array scores and stores them in the parallel array colAverages.

final int NUM_ROWS = 3; final int NUM_COLS = 2; int[][] scores = {{100, 200}, {200, 300}, {100, 100}}; int colSum = 0; double[] colAverages = new double[2];

2. Write a code segment that finds & displays the *smallest even number* in the two-dimensional array of integers named numbers. You can assume as a precondition that numbers has been instantiated & is initialized to be full of positive integers that are both odd and even. Your code should automatically account for the number of rows and columns in numbers. Declare any other variables that you feel are necessary.

3. On the back of this paper, write a static method named biggestRow that is passed a two-dimensional array of integers named numbers. The method must return the row number that has the greatest sum of its elements. For example, the value 2 would be returned if numbers is

because row 2 has sum of 44 which is greater than the sum of the other rows. Your code must work for a 2D array of any size.

public static int biggestRow(int[][] numbers)
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