Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_

Computer Science II Mr. Wuest

Arrays Review for Quiz

1) Declare and instantiate an array of 3 Strings called apple.

String [] apple = new String[3];

2) Initialize an array called list to contain the values 35.6, 30.1, and 34.2.

double [] list = {35.6, 30.1, 34.2};

3) Fill in the array with the values that would be stored after the code executes:

int[] data = new int[8];

data[1] = 5;

data[5] = -9;

data[3] = 2;

data[1] = data[0];

int x = data[3];

data[4] = 6;

data[x] = data[0] \* data[1];

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| index | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| value | 0 | 0 | 0 | 2 | 6 | -9 | 0 | 0 |

4) Fill in the array with the values that would be stored after the code executes:

int[] list = {2, 18, 6, -4, 5, 1};

for (int i = 1; i < list.length; i++)

{

list[i] = list[i] + (list[i] / list[0]);

}

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| index | 0 | 1 | 2 | 3 | 4 | 5 |
| value | 2 | 27 | 9 | -6 | 7 | 1 |

5) Fill in the array with the values that would be stored after the code executes:

String[] boys = new String[4];

boys[0] = “Emily”;

boys[2] = “Vlad”;

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| index | 0 | 1 | 2 | 3 |
| value | Emily | null | Vlad | null |

6) What is the output of the following program?

import java.util.\*;

public class ArrayReference

{

public static void main(String[] args)

{

int[] nums = {4, 2, 9, 7};

Arrays.sort(nums);

System.out.println(nums[nums.length – 2]);

System.out.println(Arrays.toString(nums));

}

}

**7**

**[2, 4, 7, 9]**

7) What is stored in list after the following code executes?

int[] list = new int[6];

list[0] = 5;

for(int i = 0; i < 6; i++)

{

list[i] = i \* i + 5;

if(i > 2)

list[i] = 2 \* list[i] – list[i – 1];

}

**[5, 6, 9, 18, 23, 37]**

8) Complete the following method, which prints out every other element of the array, list, on different

lines.

public static void everyOther(int[] list)

{

For(int i = 0; I <list.length; i+=2;)

{

System.out.println(list[i]);

}