CPS 210 Test 3

1. Check ALL that apply. Which methods below can be in the same program as the following method:

   public static int getValue(double arg, int num)

   ☐ *public static String printWord(String word)*

   ☐ *public static double[ ] func(char[ ] arr, double z)*

   ☐ *public static double getValue(double y, int z)*

   ☐ *public static void getValue(double p)*

2. Write ONLY the line of code to call the following methods. Use whatever values you want for the parameters, and whatever name you want for the variable that you may have to create:

   a. *public static double getValue(int x, int y)*

   b. public static int[ ] myArray(double amount)

   c. *public static void printString(int n, String word)*

   d. public static char getCharacter(int ascii)

3. Write a method that takes in an integer, *n*, and stores the first 7 positive, even numbers into an array starting from *n*. Your choice if you want to have the array as a parameter in your method, OR if you want to create the array inside your method. Your return type may be different depending on what you choose.

   a. Write another method that displays the array backwards.

   b. Call the first method in the main method using Scanner.

c. Call the second method in the main method. Below are two sample runs:

```
Enter a number to start from: -5
14 12 10 8 6 4 2

Enter a number to start from: 15
28 26 24 22 20 18 16
```

4. Write a method that displays the following pattern depending on what number a user enters. Below is a sample run:

```
Enter a number: 7
7 6 5 4 3 2 1
7 6 5 4 3 2
7 6 5 4 3
7 6 5 4
7 6 5
7 6
7
```

5. Create a double array of size 5.

   a. Use Scanner to fill the array by asking a user for values using a loop.

   b. Write a method that returns the index where the minimum value resides. Call the method and print the result. Below is a sample run:

```
Add a value to the array: 5
Add a value to the array: 2.3
Add a value to the array: 42.3
Add a value to the array: -9.3
Add a value to the array: 4
Index where min value resides: 3
```