Name:

Note: The class and main method are provided for you. You only need to write the code that is asked for in the questions.

1. (5 points) Write a program that creates an integer array size 5 and initializes it with the values 1, 2, 3, 4, and 5. Then, write a loop that prints out the values in the array.

```
public class ArrayPrinter {
    public static void main(String[] args) {
    }
}
```

2. (5 points) Write a program that prompts the user to enter 5 integers and stores them in an array.

Then, pass the array to a method that calculates and returns the average of the numbers to the main method. Finally, print the average in the main method.

```
import java.util.Scanner;
public class AverageCalculator {
   public static void main(String[] args) {
    }
}
```