Q1:

```
public class AddTwo {
    public static void main(String[] args) {
        // Created two integers that recieve a value as input from user
        int a = Integer.parseInt(args[0]);
        int b = Integer.parseInt(args[1]);
        // Print out the sum of both integers (i.e a + b) in the following format: "a + b = sum"
        System.out.println(a + " + " + b + " = " + (a + b));
    }
}
```

Q2:

```
public class Coins {
	public static void main(String[] args) {
		// Created a new input value for the user to submit.
		// Note that type of data is integer, as we do not expect to encounter fractions!
		int cents = Integer.parseInt(args[0]);
		// Calculate the maximal amount of cents that can be exchanged, and the appropriate remainder
		int quarters = (int) (cents / 25);
		int remainder = (int) (cents - (quarters * 25));
		// Print the exchange output for the user
		System.out.println("Use " + quarters + " quarters and " + remainder + " cents");
	}
}
```

Q3:

```
public class LinearEq {
	public static void main(String[] args) {
		// Created the 3 input values provided by the user
		// Note that the 3 inputs accept fractions from user (AKA double)
		double a = Double.parseDouble(args[0]);
		double b = Double.parseDouble(args[1]);
		double c = Double.parseDouble(args[2]);
		// Calculates the value of x given the 3 input values
		// Note that in task description we can assume the value of a cannot be 0!
		double x = (c - b) / a;
		// Prints out the linear equation for user to view, then the calculated value
		of x
		System.out.println(a + " * x + " + b + " = " + c);
		System.out.println("x = " + x);

	}

}
```

Q4:

```
public class Triangle {
        public static void main(String[] args) {
                // First we will accept 3 integers as input from user
                int a = Integer.parseInt(args[0]);
                int b = Integer.parseInt(args[1]);
                int c = Integer.parseInt(args[2]);
                // Now we will create a bool that checks if the condition set by the Triangle
                Inequality Theorem is met
                // Finally the function prints out (in format) the answer of the for the 3 given
                values
                boolean isTriangle = ((a + b > c) && (a + c > b) && (b + c > a));
                System.out.println(a + ", " + b + ", " + c + ": " + isTriangle);
                }

        }
```

Q5:

```
public class GenThree {
	public static void main(String[] args) {
		// First we will accept 2 integers as input from user, that will serve as our range
		// We will assume that a < b based on the question description
		int a = Integer.parseInt(args[0]);
		int b = Integer.parseInt(args[1]);
		// Next we will generate 3 random numbers using the Math library - note the 3 random numbers are of type double!
		// After generation, we will multiply the generated num by the difference between a and b to recieve a random number in rabge [0, b - a)
		// Finally we will add a to the random number generated to recieve a random number in range [a, b)
		int gen1 = (int) ((Math.random() * (b - a)) + a);
		System.out.println(gen1);
		int gen2 = (int) ((Math.random() * (b - a)) + a);
		System.out.println(gen2);
		int gen3 = (int) ((Math.random() * (b - a)) + a);
		System.out.println(gen3);
		// Next we will identify the minimal number generated using Math library function min
		int min_gen = Math.min(gen1, gen2);
		min_gen = Math.min(min_gen, gen3);
		System.out.println("The minimal generated number was " + min_gen);
	}
}
```