Part I: Evaluate the following. Write the exact output

```java
public class MysteryClass {
    public static void main (String [] args) {
        Mystery(1);
        Mystery(2);
        Mystery(4);
        Mystery(10);
    }

    public static void Mystery(int number) {
        System.out.println("Original Number = " + number);
        while (number <= 20) {
            System.out.println("Iteration 1: " + number);
            number += number;
        }
    }
}
```

Part II: Evaluate the following.

1. `int x = 1;
   while (x < 10) {
       System.out.println(x *=x);
       x++;`

2. `int j = 2;
   while (j <40) {
       System.out.println(j);
       j *=j;
   }

3. `int lap = 1;
   System.out.println("Running first lap of mile.");
   while (lap < 4) {
       System.out.println("running lap " + lap);
       lap++;
   }
   // what can I change above to make sure the runner runs a full mile?

4. `int j = 10;
   while (j!=1) {
       j--;
   }`
   System.out.println(j);

5. What do we call the following loop (don’t answer “while”)

```java
int i = 1;
while (i < 100) {
    System.out.println(i);
}
```