1. For each of the following while loops, how many times will the loop body execute? Note that “zero”, “infinity”, and “unknown” are legal answers:

```java
int x = 1;
while (x < 100) {
    System.out.print(x + " ");
    x += 10;
}
```

```java
int x = 2;
while (x < 200) {
    System.out.print(x + " ");
    x *= x;
}
```

```java
int max = 10;
while (max < 10) {
    System.out.println(max);
    max--;
}
```

```java
String word = "a";
while (word.length() < 10) {
    word = "b" + word + "b";
}
```