

Directions: Please complete all problems. Do not use a computer.

I. Examine each code segment. Determine how many times the body of each loop will be executed (i.e. how many iterations will be executed).

1. `int i = 2;`

```
while (i < 5)
{
    System.out.println("Hello!");
    i++;
}
```

2. `int i = 2;`

```
while (i < 5)
{
    System.out.println("Hello!");
    i += 2;
}
```

3. `int i = 2;`

```
while (i < 5)
{
    System.out.println("Hello!");
}
```

4. `int i = 2;`
`int j = 7;`

```
while (i < 5)
{
    System.out.println("Hello!");
    j++;
    i = 2*j - 1;
}
```