1. Show what gets printed and rewrite using if/else:

```java
char ch = 's';
System.out.print("The answer is ");
switch(ch)
{
    case 'y': case 'Y':
        System.out.println("positive.");
        break;
    case 'N': case 'n':
        System.out.println("negative.");
        break;
    default:
        System.out.println("unclear.");
}
```

Using if/else:

```java

```

2. Show what gets printed and rewrite using while and if/else (i.e., eliminate the for and conditional operator):

```java
for (int a = 0; a < 5; a++)
    System.out.println(a + (a % 2 == 0? " red ": " green "));
```

Using while and if/else:

```java

```
1. Show what gets printed and rewrite using a while and if/else (i.e., eliminate the do and switch):

```java
int a = 6;
do {
    System.out.print(a + " is ");
    int category = a/3;
    switch(category)
    {
        case 0:
            System.out.println("red.");
            break;
        case 1:
            System.out.println("green.");
            break;
        default:
            System.out.println("yellow.");
            a--;
    }  while (a > 1);
```

Output:

Using while and if/else:

```
int a = 6;
do {
    System.out.print(a + " is ");
    int category = a/3;
    switch(category)
    {
        case 0:
            System.out.println("red.");
            break;
        case 1:
            System.out.println("green.");
            break;
        default:
            System.out.println("yellow.");
            a--;
    }  while (a > 1);
```

2. Rewrite using while and the conditional operator (i.e., eliminate the for and if/else):

```java
for (int a = 0; a < 5; a++)
{
    System.out.print(" This question is worth " + a);
    if (a == 1)
        System.out.print(" point. ");
    else
        System.out.print(" points. ");
}
```

Using while and conditional operator:

```
for (int a = 0; a < 5; a++)
{
    System.out.print(" This question is worth " + a);
    if (a == 1)
        System.out.print(" point. ");
    else
        System.out.print(" points. ");
}
```