

(1) What is the output by calling produce(7)? [4 Marks]

(2) Rewrite the method using iteration instead. [8 Marks]

```
int produce(num)
```

```
{
```

```
    if (num > 10) return 10;
    if (num <= 10) { int total = 10;
        for (int i = 10, i >= num, i--) {
            total = total + i; total / 2 + i;
        }
        return total;
    }
}
```

```
}
```