

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

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

```
int produce(num)
{
    int total = 10;
    if (num > 10) return 10;
    else { for (int i = 11; i >= num; i--) {
        total += i + total / 2;
    }
    return total;
}
```