

(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; }
    else {
        int result=0; int check=10;
        for( int i=0; i<11-num; i++ ){
            result = check/2 + num;
            check = result;
        }
        return result;
    }
}
```