

(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)
    {
        int result = 10;
        for (int i=10, i>= num, i--)
        {
            result = i + result/2;
        }
        return result;
    }
    else return 10;
```

```
}
```