1) Provide the output of the given line in the blanks below.

```cpp
#include <iostream>

using namespace std;

int fun1(int n) {
    return n*n;
}

int fun2(int x, int y) {
    if (x > y) return x;
    return y;
}

int fun3(int a, int b, int c) {
    return (a*b) + c;
}

int main() {
    int x = 4, y = 7;

    cout << fun1(x) << endl; // (1) _______________________
    cout << fun1(x+y) << endl; // (2) _______________________
    cout << fun1(y+6) << endl; // (3) _______________________
    cout << fun2(x,y) << endl; // (4) _______________________
    cout << fun2(5,-4) << endl; // (5) _______________________
    cout << fun2(y, 8) << endl; // (6) _______________________
    cout << fun3(1,5,2) << endl; // (7) _______________________
    cout << fun3(x,y,x) << endl; // (8) _______________________
    cout << fun3(y,4,-4) << endl; // (9) _______________________

    return 0;
}
```
Write a complete C++ program that does the following: (no need to use reference parameters)

1. The program asks user to enter a positive integer $n < 10$. If the input value is incorrect, the program repeatedly force user to input value until $n$ is within the expected value.

2. The program then invoke (calls) function fun1( ) that does the following:
   
   i. The heading of the function is void fun1(int n)

   ii. The function prints a square with $n$ rows and $n$ columns using the letter X on or above the main diagonal and the letter O below it.

For example, if the user enters 4 for $n$ the output is as follows:

```
XXXX
OXXX
OOXX
OOOX
```