QUIZ #1

NAME/SURNAME	
NUMBER	
HONOR CODE	
SIGN	

QUESTION : Indicate whether the codes written in C ++ below will work correctly. If it works correctly, write the screen output, otherwise write the error.

	PROGRAM CODE	COMPILES? [YES/NO]	IF YES – OUTPUT IF NO – EXPLAIN WHY?
| **(a)** | ```cpp
#include <iostream>
using namespace std;

int main()
{
    int x = 4;
    int y = 9;

    cout << ++(x+y);

    return 0;
}
``` | | |
| **(b)** | ```cpp
#include <iostream>
using namespace std;

int main()
{
    int x = 5;
    int y = 8;

    if ( y == 8 )
    if ( x == 5 )
    cout << "%%%" << endl;
    else
    cout << "###" << endl;
    cout << "***" << endl;
    cout << "&&&" << endl;

    return 0;
}
``` | | |

(c)

```cpp
#include <iostream>
using namespace std;

int main()
{
    unsigned int x = 1;
    unsigned int total;

    while ( x <= 10 )
    {
        total += x;
        ++x;
    }

    return 0;
}
```

(d)

```cpp
#include <iostream>
using namespace std;

int main()
{
    unsigned int x = 1;

    while ( x <= 10 );
        ++x;
        cout << x << endl;
    }

    return 0;
}
```

(e)

```cpp
#include <iostream>
using namespace std;

int main()
{
    unsigned int x = 1;

    for ( double y = 0.1; y != 1.0; y += .1 )
        cout << y << endl;

    return 0;
}
```

(f)

```cpp
#include <iostream>
using namespace std;

int main()
{
    int n = 3;

    while (n >= 0)
    {
        cout << n * n << endl;
        --n;
    }
    cout << n << endl;

    while (n < 4)
        cout << ++n << endl;

    cout << n << endl;
}
```

(g)

```cpp
#include <iostream>
using namespace std;

int main()
{
    unsigned int count = 1;

    while ( count <= 10 )
    {
        cout << ( count % 2 ? "***" : "+++" )
             << endl;
        ++count;
    }

    return 0;
}
```