main.cpp

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

int main ()
{
    int x, y;

    cout << "Value of x: ";
    cin >> x;

    y = (5 * x) - 5;
    cout << "y = 5x - 5 = " << y;

    return 0;
}
```

Output

/tmp/qZwgqxtQKE.o
Value of x: 8
y = 5x - 5 = 35

=== Code Execution Successful ===

main.cpp

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

int main ()
{
    int x;

    cout << "Value of X: ";
    cin >> x;

    if (x > 10)
        cout << "hi";
    else
        cout << "bye";

    return 0;
}
```

Output

/tmp/tlEZo6XZI6.o
Value of X: 5
bye

=== Code Execution Successful ===

main.cpp ⟦ ⟧ ☾ ⋦ Share **Run** Output

```cpp
 4  int main ()
 5  {
 6      int a, b;
 7
 8      cout << "Value of a: ";
 9      cin >> a;
10
11      cout << "Value of b: ";
12      cin >> b;
13
14      if (a > b)
15          cout << "a is greater than b";
16      else if (b > a)
17          cout << "b is greater than a";
18      else
19          cout << "both numbers are equal";
20
21      return 0;
22  }
```

```
/tmp/yMC4Usn2sQ.o
Value of a: 25
Value of b: 8
a is greater than b

=== Code Execution Successful ===
```

main.cpp ⟦ ⟧ ☾ ⋦ Share **Run** Output

```cpp
 4  #include <iostream>
 5  using namespace std;
 6
 7  int main ()
 8  {
 9      int x, a, b, c;
10
11      cout << "a: ";
12      cin >> a;
13      cout << "b: ";
14      cin >> b;
15      cout << "c: ";
16      cin >> c;
17
18      x = (-b - ( (b * b) - (4 * a * c) ) ) / (2 * a);
19      cout << "x = " << x;
20
21      return 0;
22  }
```

```
/tmp/o3uwjlZLT8.o
a: 5
b: 12
c: 3
x = -9

=== Code Execution Successful ===
```