```
// C++ program for translation
// of a single coordinate
#include<bits/stdc++.h>
#include<graphics.h>

using namespace std;

// function to translate point
void translatePoint ( int P[], int T[])
{
    /* init graph and putpixel are used for
    representing coordinates through graphical
    functions
    */
    int gd = DETECT, gm, errorcode;
    initgraph (&gd, &gm, "c:\\tc\\bgi");

    cout<<"Original Coordinates :"<<P[0]<<","<<P[1];

    putpixel (P[0], P[1], 1);

    // calculating translated coordinates
    P[0] = P[0] + T[0];
    P[1] = P[1] + T[1];

    cout<<"\nTranslated Coordinates :"<< P[0]<<","<< P[1];

    // Draw new coordinatses
    putpixel (P[0], P[1], 3);
    closegraph();
}

// driver program
int main()
{
    int P[2] = {5, 8}; // coordinates of point
    int T[] = {2, 1}; // translation factor
    translatePoint (P, T);
    return 0;
}
```