```
#include <iostream>
#include <cmath>
using namespace std;
double findDistance(int x1, int y1, int x2, int y2)
{
 return sqrt(pow(x2 - x1, 2) + pow(y2 - y1, 2));
}
void printPoint(const char* pointName, int x, int y)
{
   cout << pointName << "(" << x << ", " << y << ")";
}
void showCoordinates(const string& point, int x, int y)
{
 cout << point << " " << x << " " << y << endl;
}
int main()
{
 int x1 = 1, y1 = 3;
 int x2 = 2, y2 = 6;
 int x3 = 5, y3 = 4;
 printPoint("A", x1, y1);
 cout << ", ";
 printPoint("B", x2, y2);
 cout << ", and ";
 printPoint("C", x3, y3);
 cout << endl;

 double distanceAB = findDistance(x1, y1, x2, y2);
 double distanceAC = findDistance(x1, y1, x3, y3);
 double distanceBC = findDistance(x2, y2, x3, y3);
 cout << " "" " << "x" << " " << "y" << endl;
 showCoordinates("A", x1, y1);
 showCoordinates("B", x2, y2);
 showCoordinates("C", x3, y3);

 cout << "AB=" << distanceAB << endl;
 cout << "AC=" << distanceAC << endl;
 cout << "BC=" << distanceBC << endl;
 return 0;
}
```

```
A(1, 3), B(2, 6), and C(5, 4)
  x y
A 1 3
B 2 6
C 5 4
AB=3.16228
AC=4.12311
BC=3.60555
```