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//LAB EXERCISE 2

#include <iostream>
#include <cmath>
using namespace std;

double answer(int x1,int y1,int x2,int y2);

void question(){
    cout<<"A(1,3),B(2,6), and C(5,4)"<<endl;
    cout<<" \tX\tY"<<endl;
    cout<<"A \t1\t3"<<endl;
    cout<<"B \t2\t6"<<endl;
    cout<<"C \t5\t4"<<endl;

}

double answer(int x1, int y1, int x2, int y2){
    double ans;
    ans = sqrt(pow(x2-x1,2) + pow(y2-y1,2));
    return ans;
}

int main(){

    int x1,x2,y1,y2;

    question();
    cout << "\nAB = " << answer(1, 3, 2, 6)<< endl;

    cout << "AC = " << answer(1, 3, 5, 4)<< endl;

    cout << "BC = " << answer(2, 6, 5, 4)<< endl;

    system("pause");
    return 0;
}

```