package javaapplication22;

import java.util.Scanner;

public class JavaApplication22 {

public static void main(String[] args) {

Scanner in = new Scanner (System.in);

System.out.println("Type the x1 amd y1");

double x1 = in.nextDouble();

double y1 = in.nextDouble();

System.out.println("Type the x2 and y2");

double x2 = in.nextDouble();

double y2 = in.nextDouble();

System.out.println("Type the x3 and y3");

double x3 = in.nextDouble();

double y3 = in.nextDouble();

double a,b,c;

a = Math.sqrt(Math.pow(x3 - x2, 2) + Math.pow(y3 - y2, 2));

b = Math.sqrt(Math.pow(x3 - x1, 2) + Math.pow(y3 - y1, 2));

c = Math.sqrt(Math.pow(x1 - x2, 2) + Math.pow(y1 - y2, 2));

double A,B,C;

A = Math.toDegrees(Math.acos((a\*a - b\*b - c\*c) / (-2\*b\*c)));

B = Math.toDegrees(Math.acos((b\*b - a\*a - c\*c) / (-2\*a\*c)));

C = Math.toDegrees(Math.acos((c\*c - b\*b - a\*a) / (-2\*b\*a)));

System.out.printf("The angles are: %.2f, %.2f, and %.2f degrees", A, B, C);

}

}

package javaapplication21;

import java.util.Scanner;

public class JavaApplication21 {

public static void main(String[] args) {

Scanner n = new Scanner (System.in);

int lot = (int)((Math.random()\*90)+10);

int lot1,lot2,guss1,guss2;

lot1 = lot/10;

lot2 = lot%10;

System.out.println("Type two numbers");

int guss = n.nextInt();

guss1 = guss/10;

guss2 = guss%10;

System.out.println("The lottery number is " + lot );

if (guss == lot) {System.out.println("You won 10000");}

else if (guss1 == lot2 && guss2 == lot1){System.out.println("You won 3000");}

else if (guss1 == lot1 || guss1 == lot2 || guss2 == lot1 || guss2 == lot2){System.out.println("You won 1000");}

else System.out.println("Sorry, noo , money");