**package** kaifa;

**import** java.util.Scanner;

**public** **class** zuoye1 {

**public** **static** **void** main(String[] args) {

Scanner in = **new** Scanner(System.***in***); //定义调用

**double** x1 = in.nextDouble();

**double** y1 = in.nextDouble();

**double** x2 = in.nextDouble();

**double** y2 = in.nextDouble();

Point p1 = **new** Point(x1,y1);

Point p2 = **new** Point(x2,y2);

Line line = **new** Line(p1,p2);

System.***out***.println( line.slope());

in.close();

}

}

**class** Point{ //定义点坐标

**private** **double** x;

**private** **double** y;

**public** Point() {

**this**(0,0);

}

**public** Point(**double** x,**double** y) {

**this**.x=x;

**this**.y=y;

}

**public** **double** getX() {

**return** x;

}

**public** **double** getY() {

**return** y;

}

**public** **double** distance(Point secondPoint) {

**return** *distance*(**this**,secondPoint);

}

**public** **static** **double** distance(Point p1, Point p2) {

**return** Math.*sqrt*((p1.x - p2.x)\*(p1.x - p2.x)+(p1.y - p2.y)\*(p1.y - p2.y));

}

}

**class** Line{ //输出函数

**private** Point start; //起始坐标

**private** Point end;//终点坐标

**public** Line(Point p1, Point p2) {

start = p1;

end = p2;

}

**public** **double** slope() {

**double** d1 = end.getX() - start.getX();

**double** d2 = end.getY() - start.getY();

**return** d2/d1;

}

}