```
public class Point{
        public double xcor;
        public double ycor;
        private double limit;
        private double xlimit;
        private double ylimit;
        public String toString() {
        return ("(" + xcor + "," + ycor + ")");
        }
        public Point(double xcord , double ycord) {
        xcor = xcord;
        ycor = ycord;
        }
        public void setAdjoinLimit (double radius) {
        this.limit = radius;
        }
        public void setAdjoinLimit( double xaxisLimit, double yaxisLimit) {
        this.xlimit = xaxisLimit;
        this.ylimit = yaxisLimit;
        }
        public double getXaxisAdjoinLimit() {
        return this.xlimit;
        }
        public double getYaxisAdjoinLimit() {
        return this.ylimit;
        }
        public double getAdjoinLimit() {
        return this.limit;
        }
        public boolean adjoins(Point other) {
        if (Math.sqrt(Math.pow((this.xcor - other.xcor) , 2) +
        Math.pow((this.ycor - other.ycor), 2)) > this.limit)
        {return false;}
        return true;
        }
        public boolean ADJOINS( Point other) {
        return (Math.abs(this.xcor - other.xcor)) <= this.xlimit
        && (Math.abs(this.ycor - other.ycor)) <= this.ylimit;
        }
}
public class UserOfTwoDimensions {
  public static void main(String[] args) {
        Point neighbor = new Point(5.3 , 2.6);
```

```
        Point stranger = new Point(7.0 , 3.6);
        neighbor.setAdjoinLimit(3.6 , 5.9);
        System.out.println(neighbor.getXaxisAdjoinLimit());
        System.out.println(neighbor.getYaxisAdjoinLimit());
        System.out.println(neighbor.ADJOINS(stranger));
  }
}
```