

```
public class App {  
    public static void main(String[] args) throws Exception {  
        RegularPolygon polygon = new RegularPolygon();  
        System.out.println("Perimeter: " + polygon.getPerimeter());  
        System.out.printf("Area: %.2f", polygon.getArea());  
    }  
}
```

```
import java.lang.Math;  
  
class RegularPolygon {  
    private int n;  
    private double side;  
    private double x;  
    private double y;  
  
    public RegularPolygon(){  
        n = 3;  
        side = 1;  
        x = 0;  
        y = 0;  
    }  
  
    public RegularPolygon(int n, double side){  
        this.n = n;  
        this.side = side;  
        x = 0;  
        y = 0;  
    }  
}
```

```
public RegularPolygon(int n, double side, double x, double y){
    this.n = n;
    this.side = side;
    this.x = x;
    this.y = y;
}

//Setter

public void setN(int n){
    this.n = n;
}

public void setSide(double side){
    this.side = side;
}

public void setX(double x){
    this.x = x;
}

public void setY(double y){
    this.y = y;
}

//Getter

public double getPerimeter(){
    return side*n;
}

public double getArea(){
```

```
        return (n*side*side)/(4*(Math.tan(Math.PI/n)));
    }

    public int getN(){
        return n;
    }

    public double getSide(){
        return side;
    }

    public double getX(){
        return x;
    }

    public double getY(){
        return y;
    }
}
```