public class Area {

public static void main(String[] args) {

double a = 5;

double area1 = a \* a;

System.out.println("Area of the square: " +area1);

double l = 5;

double w = 3;

double area2 = l \* w;

System.out.println("Area of the rectangle: " +area2);

double b = 5;

double h = 3;

double area3 = 0.5\*b\*h;

System.out.println("Area of the triangle: " + area3);

double r = 3;

double area4 = 3.14 \* r \* r;

System.out.println("Area of the circle: " + area4);

double bre = 5;

double hei = 3;

double area5 = bre \* hei;

System.out.println("Area of the parallelogram: " + area5);

double b1 = 5;

double b2 = 3;

double he = 4;

double area6 = 0.5 \* (b1 + b2) \* he;

System.out.println("Area of the trapezoid: " + area6);

double a1 = 5;

double b3 = 3;

double area7 = 3.14\* a1 \* b3;

System.out.println("Area of the ellipse: " + area7);

double d1 = 5;

double d2 = 3;

double area8 = 0.5 \* d1 \* d2;

System.out.println("Area of the rhombus: " + area8);

double s = 3;

double sqrtPart = Math.sqrt(5 \* (5 + 2 \* Math.sqrt(5)));

double area9 = 0.25 \* sqrtPart \* s \* s;

System.out.println("Area of the pentagon: " + area9);

double s1 = 3;

double sqrt = Math.sqrt(3);

double area10 = 1.5 \* sqrt \* s1 \* s1;

System.out.println("Area of the regular hexagon: " + area10);

}

}

