```
public class Main {
	public static void main(String[] args) {
		Triunghiuri test = new Triunghiuri();
		test.a = 3;
		test.h = 5;
		System.out.println("Aria triunghiului scalen = " + test.Scalen());
		test.a = 4;
		test.b = 7;
		System.out.println("Aria triunghiului dreptunghic este = " +
test.Dreptunghic());
		test.a=Math.sqrt(3);
		System.out.println("Aria triunghiului echilateral este = " +
test.Echilateral());
		test.a = 8;
		test.b = 9;
		test.c = 5;
		System.out.println("Aria triunghiului calculata prin Heron = " +
test.Heron());
		Patrulatere test1 = new Patrulatere();
		test1.a = 4;
		test1.h = 3;
		System.out.println("Aria paralelogramului = " + test1.Paralelogram());
		test1.a = 15;
		test1.b = 13;
		System.out.println("Aria dreptunghiului = " + test1.Dreptunghi());
		test1.a = 6;
		System.out.println("Aria patratului = " + test1.Patrat());
		test1.a = 4;
		test1.b = 5;
		test1.h = 6;
		System.out.println("Aria trapezului = " + test1.Patrat());

	}
}



public class Patrulatere {
	double a, b, h;
	public double Paralelogram() {
		double A=a*h;
		return A;
	}
	public double Dreptunghi() {
		double A=a*b;
		return A;
	}
	public double Patrat() {
		double A=Math.pow(a, 2);
		return A;
	}
	public double Trapez() {
		double A=((a+b)*h)/2;
		return A;
```

```
	}
}


public class Triunghiuri {
	double a, b, c, h, p;
	public double Scalen() {
		double A = 0.5*a*h;
		return A;
	}
	public double Dreptunghic() {
		double A = 0.5*a*b;
		return A;
	}
	public double Echilateral() {
		double A = Math.pow(a, 2)*Math.sqrt(3)*0.25;
		return A;
	}
	public double Heron() {
		double p = (a+b+c)*0.5;
		return Math.sqrt(p*(p-a)*(p-b)*(p-c));
	}
}
```