```java
import java.util.Scanner;

abstract class Shape {
int b,h;
Shape (int b,int h) {
  this.b = b;
  this.h = h;
}
void printArea(){};
}

Class Rectangle extends Shape {
  Rectangle (int b,int h) {
   Super (b,h);
}
void printArea() {
System.out.println("Area of the rectangle is
 "+ (b*h));
};
}

Class Triangle extends Shape {
Triangle (int b, int h) {
   Super (b,h);
}
```

```java
void printArea() {
    system.out.println("Area of the triangle is
    " + ((b^h)/2));

};

}
class circle extends Shape {
    circle (int r) {
        super(r,r);

    }
    void print Area() {

    system.out.println("Area of the circle is
    " + (Math.PI*h*h));

    };

}
public class Prog1 {

public static void main(String [] args) {

Rectangle rect = new Rectangle(10,5);
Triangle tri = new Triangle(10,5);
Circle c = new circle(10);
rect.print Area();
tri.print Area();
c.print Area();
}
```