class AbstractRunner{

public static void main(String args []){

Rectangle r = new Rectangle(5, 10);

Triangle t = new Triangle(5,10);

Circle c = new Circle(5);

r.printArea();

t.printArea();

c.printArea();

}

}

abstract class Shape{

int a;

int b;

Shape(int a, int b){

this.a = a;

this.b = b;

}

public abstract void printArea();

}

class Rectangle extends Shape{

Rectangle(int a, int b){

super(a, b);

}

public void printArea(){

System.out.println(a \* b);

}

}

class Triangle extends Shape{

Triangle(int a, int b){

super(a, b);

}

public void printArea(){

System.out.println(0.5 \* a \* b);

}

}

class Circle extends Shape{

Circle(int a){

super(a, a);

}

public void printArea(){

System.out.println(3.14 \* a \* b);

}

}

