Ans)

```java
import java.util.*;
import java.lang.*;

abstract class shape {
    Scanner in = new Scanner(System.in);
    int x1, x2;
    Shape() {
        System.out.println("Enter two numbers");
        x1 = in.nextInt();
        x2 = in.nextInt();
    }

    abstract void printarea();
}

class Rectangle extends Shape {
    void printarea() {
        System.out.println("Area of Rectangle : " + (x1*x2));
    }
}

class Triangle extends Shape {
    void printarea() {
        System.out.println("Area of triangle : " + (x1*x2)/2);
    }
}

class Circle extends Shape {
    void printarea() {
        System.out.println("Area of circle 1 : " + (3.14 * x1 * x1));
        System.out.println("Area of Circle2 : " + (3.14 * x2 * x2));
    }
}
```

```java
class Abstract {
    public static void main (string []args) {
        Shape s;

        s = new Rectangle();
        s. print area();

        s = new Triangle();
        s. print area();

        s = new Circle();
        s. print area();
    }
}
```