```
abstract class shape
{

int a=3;
int b=4;
abstract public void print_area();
}

class rectangle extends shape
{

public int area_rect;

public void print_area()
{

area_rect = a*b;
System.out.println("The area of rectangle
                    is: " +area_rect);
}
}

class triangle extends shape
{

int area_tri;

public void print_area()
{

area_tri = (int)(0.5*b);
System.out.println("The area of triangle
                    is: " +area_tri);
```

```
}
}
class circle extends shape
{
int area_circle;
public void print_area()
{

area_circle = (int)(3.14 * a * a);
system.out.println("The area of circle is"
                            + area_circle);
}
}

class abs {
public static void main(String[] args)
rectangle rec = new rectangle();
rec.print_area();
triangle tri = new triangle();
tri.print_area();
circle cir = new circle();
cir.print_area();
}
}
```