Graphical Primitive
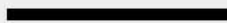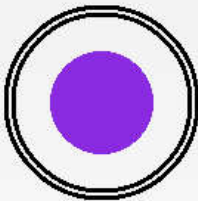
■ - Point
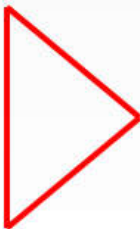
Drawing Line:

_____
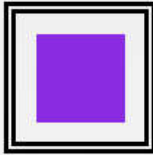
Square

Circle

Rounded Rectangle

MainActivity.java

```java
package com.example.basicprimitives;

import android.app.Activity;

import android.os.Bundle;

public class MainActivity extends Activity {

        @Override

        protected void onCreate(Bundle savedInstanceState) {

                super.onCreate(savedInstanceState);

                BasicPrimitives drawView = new BasicPrimitives(this);

                setContentView(drawView);

        }

}
```

BasicPrimitives.java

```java
package com.example.basicprimitives;

import android.content.Context;

import android.graphics.Canvas;

import android.graphics.Color;

import android.graphics.Paint;

import android.graphics.Path;

import android.graphics.Path.FillType;

import android.graphics.Point;

import android.graphics.RectF;

import android.view.View;

public class BasicPrimitives extends View{

        Paint paint = new Paint();

        public BasicPrimitives(Context context) {

                super(context);

        }
```

```java
@Override
protected void onDraw(Canvas canvas) {
        super.onDraw(canvas);
        paint.setColor(getResources().getColor(R.color.Teal));
        paint.setTextSize(30);
        canvas.drawText("Graphical Primitive",50,50,paint);
        paint.setColor(Color.BLACK);
        paint.setStrokeWidth(8);
        canvas.drawPoint(55,90,paint);
        canvas.drawText(" - Point",58,95,paint);
        canvas.drawText("Drawing Line:",60,150,paint);
        paint.setColor(Color.BLACK);
        canvas.drawLine(60, 180, 210, 180, paint);
        canvas.drawText("Square",300,260,paint);
        Paint myPaint = new Paint();
        myPaint.setColor(Color.rgb(0, 0, 0));
        myPaint.setStrokeWidth(3);
        myPaint.setStyle(Paint.Style.STROKE);
        canvas.drawRect(60, 210, 160, 310, myPaint);
        canvas.drawRect(65, 215, 155, 305, myPaint);
        myPaint.setColor(getResources().getColor(R.color.BlueViolet));
        myPaint.setStyle(Paint.Style.FILL);
        canvas.drawRect(80, 230, 140, 290, myPaint);
        canvas.drawText("Circle",300,400,paint);
        canvas.drawCircle(110, 400, 35, myPaint);
        myPaint.setStyle(Paint.Style.STROKE);
        myPaint.setColor(Color.rgb(0, 0, 0));
        canvas.drawCircle(110, 400, 60, myPaint);
        canvas.drawCircle(110, 400, 65, myPaint);
```

```java
        canvas.drawText("Rounded Rectangle",280,550,paint);
        canvas.drawRoundRect(new RectF(60, 500, 260, 600), 25, 25, myPaint);
        canvas.drawRoundRect(new RectF(65, 505, 255, 595), 23, 23, myPaint);
        myPaint.setStyle(Paint.Style.FILL);
        myPaint.setColor(getResources().getColor(R.color.BlueViolet));
        canvas.drawRoundRect(new RectF(75, 515, 245, 585), 20, 20, myPaint);


    paint.setStrokeWidth(4);
    paint.setColor(android.graphics.Color.RED);
    paint.setStyle(Paint.Style.STROKE);
    paint.setAntiAlias(true);


    Point a = new Point(60, 650);
    Point b = new Point(60, 800);
    Point c = new Point(150, 725);


    Path path = new Path();
    path.setFillType(FillType.EVEN_ODD);
    path.moveTo(a.x, a.y);
    path.lineTo(b.x, b.y);
    path.moveTo(b.x, b.y);
    path.lineTo(c.x, c.y);
    path.moveTo(c.x, c.y);
    path.lineTo(a.x, a.y);
    path.close();
    canvas.drawPath(path, paint);
    }
}
```