activity\_main.xml

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity"  
 android:orientation="vertical">  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/digite\_a"/>  
  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/numA"  
 android:inputType="numberDecimal"/>  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/digite\_b"/>  
  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/numB"  
 android:inputType="numberDecimal"/>  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="@string/digite\_c"/>  
  
 <EditText  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/numC"  
 android:inputType="numberDecimal"/>  
  
 <Button  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:onClick="Calcular"  
 android:text="@string/calcular" />  
  
</LinearLayout>

MainActivity.java

package com.example.area;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.EditText;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
 private View view;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 }  
  
 public void Calcular(View view) {  
 this.view = view;  
  
 EditText etA= findViewById(R.id.*numA*) ;  
 EditText etB= findViewById(R.id.*numB*) ;  
 EditText etC= findViewById(R.id.*numC*) ;  
 double pi=3.14159;  
 double tri=(Double.*parseDouble*(etA.getText().toString())\*Double.*parseDouble*(etC.getText().toString()))/2.0; //(A \* C) / 2.0  
 double circ=(Double.*parseDouble*(etC.getText().toString())\*Double.*parseDouble*(etC.getText().toString()))\*pi; //(C \* C) \* pi  
 double trap=(Double.*parseDouble*(etA.getText().toString())+Double.*parseDouble*(etB.getText().toString()))\*Double.*parseDouble*(etC.getText().toString())/2; //(A + B)\*C / 2  
 double quadr=Double.*parseDouble*(etB.getText().toString())\*Double.*parseDouble*(etB.getText().toString()); //B \* B  
 double retan=Double.*parseDouble*(etA.getText().toString())\*Double.*parseDouble*(etB.getText().toString()); //A \* B  
  
 String resultado = String.*format*("TRIANGULO: %.3f%nCIRCULO: %.3f%nTRAPEZIO: %.3f%nQUADRADO: %.3f%nRETANGULO: %.3f%n",tri,circ,trap,quadr,retan);  
 Toast.*makeText*(this, resultado, Toast.*LENGTH\_LONG*).show();  
  
 }  
}

strings.xml

<resources>  
 <string name="app\_name">Area</string>  
 <string name="digite\_a">Digite A</string>  
 <string name="digite\_b">Digite B</string>  
 <string name="digite\_c">Digite C</string>  
 <string name="calcular">Calcular</string>  
  
</resources>