```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/colorPrimary"
    tools:context=".MainActivity">



    <androidx.constraintlayout.widget.Guideline
        android:id="@+id/guidelineH01"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        app:layout_constraintGuide_percent="0.25" />

    <androidx.constraintlayout.widget.Guideline
        android:id="@+id/guidelineH02"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        app:layout_constraintGuide_percent="0.4" />

    <androidx.constraintlayout.widget.Guideline
        android:id="@+id/guidelineH03"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        app:layout_constraintGuide_percent="0.55" />

    <androidx.constraintlayout.widget.Guideline
        android:id="@+id/guidelineH04"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        app:layout_constraintGuide_percent="0.7" />

    <androidx.constraintlayout.widget.Guideline
        android:id="@+id/guidelineH05"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        app:layout_constraintGuide_percent="0.85" />

    <androidx.constraintlayout.widget.Guideline
        android:id="@+id/guidelineH06"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        app:layout_constraintGuide_percent="1" />
```

```xml
<androidx.constraintlayout.widget.Guideline
    android:id="@+id/guidelineW01"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:orientation="vertical"
    app:layout_constraintGuide_percent="0.22" />

<androidx.constraintlayout.widget.Guideline
    android:id="@+id/guidelineW02"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:orientation="vertical"
    app:layout_constraintGuide_percent="0.4" />

<androidx.constraintlayout.widget.Guideline
    android:id="@+id/guidelineW03"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:orientation="vertical"
    app:layout_constraintGuide_percent="0.6" />


<androidx.constraintlayout.widget.Guideline
    android:id="@+id/guidelineW04"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:orientation="vertical"
    app:layout_constraintGuide_percent="0.8" />

<TextView

    android:id="@+id/wyswietlacz"
    android:layout_width="0dp"
    android:layout_height="0dp"
    android:text="0"
    android:textSize="25pt"
    android:textAlignment="gravity"
    android:gravity="right|center"
    android:paddingRight="20dp"
    app:layout_constraintLeft_toLeftOf="parent"
    app:layout_constraintRight_toRightOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintBottom_toTopOf="@id/guidelineH01"

    />


<Button
    android:id="@+id/kasuj"
    style="@style/stylPrzycisku2"
    app:layout_constraintTop_toBottomOf="@id/guidelineH01"
    app:layout_constraintBottom_toTopOf="@id/guidelineH02"
    app:layout_constraintLeft_toLeftOf="parent"
    app:layout_constraintRight_toRightOf="@id/guidelineW02"
```

```xml
        android:text="CE"
        android:onClick="kasuj"
        />
<Button
        android:id="@+id/wstecz"
        app:layout_constraintTop_toBottomOf="@id/guidelineH01"
        app:layout_constraintBottom_toTopOf="@id/guidelineH02"
        app:layout_constraintLeft_toLeftOf="@id/guidelineW02"
        app:layout_constraintRight_toRightOf="@id/guidelineW03"
        android:text="x"
        style="@style/stylPrzycisku2"
        android:onClick="wstecz" />

<Button
        android:id="@+id/dziel"
        app:layout_constraintTop_toBottomOf="@id/guidelineH01"
        app:layout_constraintBottom_toTopOf="@id/guidelineH02"
        app:layout_constraintLeft_toLeftOf="@id/guidelineW04"
        app:layout_constraintRight_toRightOf="parent"
        android:shadowDx="@android:integer/config_longAnimTime"
        android:text="/"
        style="@style/stylPrzycisku2"
        android:onClick="dzialanie"
        />


<Button
        android:id="@+id/procent"
        app:layout_constraintTop_toBottomOf="@id/guidelineH02"
        app:layout_constraintBottom_toTopOf="@id/guidelineH03"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="@id/guidelineW01"
        android:text="%"
        style="@style/stylPrzycisku2"
        android:onClick="procent"
        />
<Button
        android:id="@+id/pierwiastek"
        app:layout_constraintTop_toBottomOf="@id/guidelineH02"
        app:layout_constraintBottom_toTopOf="@id/guidelineH03"
        app:layout_constraintLeft_toLeftOf="@id/guidelineW01"
        app:layout_constraintRight_toRightOf="@id/guidelineW02"
        android:text="sqrt"
        style="@style/stylPrzycisku2"
        android:onClick="pierwiastek"
        />
<Button
        android:id="@+id/kwadrat"
        app:layout_constraintTop_toBottomOf="@id/guidelineH02"
        app:layout_constraintBottom_toTopOf="@id/guidelineH03"
        app:layout_constraintLeft_toLeftOf="@id/guidelineW02"
        app:layout_constraintRight_toRightOf="@id/guidelineW03"
        android:text="sqr"
        style="@style/stylPrzycisku2"
```

```xml
        android:onClick="kwadrat"/>
    <Button
        android:id="@+id/razy"
        app:layout_constraintTop_toBottomOf="@id/guidelineH02"
        app:layout_constraintBottom_toTopOf="@id/guidelineH03"
        app:layout_constraintLeft_toLeftOf="@id/guidelineW04"
        app:layout_constraintRight_toRightOf="parent"
        android:text="*"
        style="@style/stylPrzycisku2"
        android:onClick="dzialanie"
        />
    <Button
        android:id="@+id/p7"
        app:layout_constraintTop_toBottomOf="@id/guidelineH03"
        app:layout_constraintBottom_toTopOf="@id/guidelineH04"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="@id/guidelineW01"
        android:text="7"
        style="@style/stylPrzycisku2"
        android:onClick="dodajCyfre"
        />
    <Button
        android:id="@+id/p8"
        app:layout_constraintTop_toBottomOf="@id/guidelineH03"
        app:layout_constraintBottom_toTopOf="@id/guidelineH04"
        app:layout_constraintLeft_toLeftOf="@id/guidelineW01"
        app:layout_constraintRight_toRightOf="@id/guidelineW02"
        android:text="8"
        style="@style/stylPrzycisku2"
        android:onClick="dodajCyfre"
        />
    <Button
        android:id="@+id/p9"
        app:layout_constraintTop_toBottomOf="@id/guidelineH03"
        app:layout_constraintBottom_toTopOf="@id/guidelineH04"
        app:layout_constraintLeft_toLeftOf="@id/guidelineW02"
        app:layout_constraintRight_toRightOf="@id/guidelineW03"
        android:text="9"
        style="@style/stylPrzycisku2"
        android:onClick="dodajCyfre"
        />
    <Button
        android:id="@+id/minus"
        app:layout_constraintTop_toBottomOf="@id/guidelineH03"
        app:layout_constraintBottom_toTopOf="@id/guidelineH04"
        app:layout_constraintLeft_toLeftOf="@id/guidelineW04"
        app:layout_constraintRight_toRightOf="parent"
        android:text="-"
        style="@style/stylPrzycisku2"
        android:onClick="dzialanie"
        />
    <Button
        android:id="@+id/p4"
        app:layout_constraintTop_toBottomOf="@id/guidelineH04"
```

```xml
    app:layout_constraintBottom_toTopOf="@id/guidelineH05"
    app:layout_constraintLeft_toLeftOf="parent"
    app:layout_constraintRight_toRightOf="@id/guidelineW01"
    android:text="4"
    style="@style/stylPrzycisku2"
    android:onClick="dodajCyfre"
    />
<Button
    android:id="@+id/p5"
    app:layout_constraintTop_toBottomOf="@id/guidelineH04"
    app:layout_constraintBottom_toTopOf="@id/guidelineH05"
    app:layout_constraintLeft_toLeftOf="@id/guidelineW01"
    app:layout_constraintRight_toRightOf="@id/guidelineW02"
    android:text="5"
    style="@style/stylPrzycisku2"
    android:onClick="dodajCyfre"

    />
<Button
    android:id="@+id/p6"
    app:layout_constraintTop_toBottomOf="@id/guidelineH04"
    app:layout_constraintBottom_toTopOf="@id/guidelineH05"
    app:layout_constraintLeft_toLeftOf="@id/guidelineW02"
    app:layout_constraintRight_toRightOf="@id/guidelineW03"
    android:text="6"
    style="@style/stylPrzycisku2"
    android:onClick="dodajCyfre"
    />
<Button
    android:id="@+id/plus"

    app:layout_constraintTop_toBottomOf="@id/guidelineH04"
    app:layout_constraintBottom_toTopOf="@id/guidelineH05"
    app:layout_constraintLeft_toLeftOf="@id/guidelineW04"
    app:layout_constraintRight_toRightOf="parent"
    android:text="+"
    style="@style/stylPrzycisku2"
    android:onClick="dzialanie"
    />
<Button
    android:id="@+id/p1"
    app:layout_constraintTop_toBottomOf="@id/guidelineH05"
    app:layout_constraintBottom_toTopOf="@id/guidelineH06"
    app:layout_constraintLeft_toLeftOf="parent"
    app:layout_constraintRight_toRightOf="@id/guidelineW01"
    android:text="1"
    style="@style/stylPrzycisku2"
    android:onClick="dodajCyfre"

    />
<Button
    android:id="@+id/p2"
    style="@style/stylPrzycisku2"
    app:layout_constraintTop_toBottomOf="@id/guidelineH05"
```

```xml
        app:layout_constraintBottom_toTopOf="@id/guidelineH06"
        app:layout_constraintLeft_toLeftOf="@id/guidelineW01"
        app:layout_constraintRight_toRightOf="@id/guidelineW02"
        android:text="2"
        android:onClick="dodajCyfre"

        />
<Button
        android:id="@+id/p3"
        style="@style/stylPrzycisku2"
        app:layout_constraintTop_toBottomOf="@id/guidelineH05"
        app:layout_constraintBottom_toTopOf="@id/guidelineH06"
        app:layout_constraintLeft_toLeftOf="@id/guidelineW02"
        app:layout_constraintRight_toRightOf="@id/guidelineW03"
        android:text="3"
        android:onClick="dodajCyfre"
        />
<Button
        android:id="@+id/rowne"
        style="@style/stylPrzycisku2"
        app:layout_constraintTop_toBottomOf="@id/guidelineH05"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="@id/guidelineW03"
        app:layout_constraintRight_toRightOf="parent"
        android:text="="
        android:onClick="rownaSie"
        />

<Button
        android:id="@+id/zmianaZnaku"
        style="@style/stylPrzycisku2"
        app:layout_constraintTop_toBottomOf="@id/guidelineH02"
        app:layout_constraintBottom_toBottomOf="@id/guidelineH03"
        app:layout_constraintLeft_toLeftOf="@id/guidelineW03"
        app:layout_constraintRight_toRightOf="@id/guidelineW04"
        android:text="+/-"
        android:onClick="zmienZnak"
        />
<Button
        android:id="@+id/p0"
        style="@style/stylPrzycisku2"
        app:layout_constraintTop_toBottomOf="@id/guidelineH04"
        app:layout_constraintBottom_toBottomOf="@id/guidelineH05"
        app:layout_constraintLeft_toLeftOf="@id/guidelineW03"
        app:layout_constraintRight_toRightOf="@id/guidelineW04"
        android:text="0"
        android:onClick="dodajCyfre"
        />
<Button
        android:id="@+id/przecinek"
        style="@style/stylPrzycisku2"
        app:layout_constraintTop_toBottomOf="@id/guidelineH03"
        app:layout_constraintBottom_toBottomOf="@id/guidelineH04"
        app:layout_constraintLeft_toLeftOf="@id/guidelineW03"
```

```xml
        app:layout_constraintRight_toRightOf="@id/guidelineW04"
        android:text=","
        android:onClick="dodajPrzecinek"
        />

    <Button
        android:id="@+id/blank"
        style="@style/stylPrzycisku2"
        app:layout_constraintTop_toBottomOf="@id/guidelineH01"
        app:layout_constraintBottom_toBottomOf="@id/guidelineH02"
        app:layout_constraintLeft_toLeftOf="@id/guidelineW03"
        app:layout_constraintRight_toRightOf="@id/guidelineW04"
        android:text=""
        />
</androidx.constraintlayout.widget.ConstraintLayout>
```