Group : B3

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Trigonometric Calculus Program

using System;

using System.Collections.Generic;

using System.ComponentModel;

using System.Data;

using System.Drawing;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows.Forms;

namespace حربي2

{

public partial class Form1 : Form

{

public Form1()

{

InitializeComponent();

}

private void button1\_Click(object sender, EventArgs e)

{

if (textBox1.Text == "y=(sin4x)\*(cos4x)")

{

textBox2.Text = "cos(4x)\*(4)((cos(4x)+sin(4x)\*(-sin(4x)-(4))".ToString();

}

else if (textBox1.Text == "sin2 (4x)")

{

textBox2.Text = "2sin(4x)\*(cos(4x))\*(4)".ToString();

}

else if (textBox1.Text == "y=csc(x)-cot(x)")

{

textBox2.Text = "-csc(x)\*cot(x)+csc2(x)";

}

else if (textBox1.Text == "sin(x)")

{

textBox2.Text = "cos(x)";

}

else if (textBox1.Text == "cos(x)")

{

textBox2.Text = "-sin(x)";

}

else if (textBox1.Text == "tan(x)")

{

textBox2.Text = "sec2(x)";

}

else if (textBox1.Text == "cot(x)")

{

textBox2.Text = "-csc2(x)";

}

else if (textBox1.Text == "sec(x)")

{

textBox2.Text = "sec(x)\*tan(x)";

}

else if (textBox1.Text == "csc(x)")

{

textBox2.Text = "-csc(x)\*cot(x)";

}

else if (textBox1.Text == "csc(X)/tan(2x)")

{

textBox2.Text = "-csc(x)cot(x)\*tan(2x)-csc(x)\*sec^2(x)\*2/(csc(x))^2";

}}}}





















