**1.**

#include "stdafx.h"

#include <conio.h>

#include <math.h>

#include <iostream>

int main()

{

float x,y;

float lower,upper,step;

system ("cls");

lower=-2; upper=2; step=0.1;

printf("2/3\*e^x-sin^3(x^2) \n");

for(x=lower;x<=upper;x=x+step)

{

y=((2.0/3.0)\*(exp(x))-(pow(sin(pow(x,2)),3)));

printf("(%5.2f)=(%5.2f)\n", y,x);

}

system("pause");

return(0);

}

**2.**

**#include "stdafx.h"**

**#include<conio.h>**

**#include<math.h>**

**#include <iostream>**

**int main()**

**{**

**float t,T;**

**int f;**

**system("cls");**

**printf("Vvedite T\n");**

**scanf("%f",&T);**

**for(t=-T;t<=3\*T;t=t+((T\*4)/20))**

**{**

**if((t-2\*T)<0)**

**{**

**f=-1;**

**}**

**else if((t-2\*T)==0)**

**{**

**f=0;**

**}**

**else**

**{**

**f=1;**

**}**

**printf("f(%.2f,%.2f)=%d\n",t,T,f);}**

**system("pause");**

**return(0);**

**}**

**3.**

//#include "stdfx.h"

#include <stdio.h>

#include <conio.h>

# include <math.h>

int main(void)

{

float f,step=0.5,pi=3.14;

double x=-11.5;

do

{

x+=step;

if(x>0) {f=fabsl(sin(x+(pi/2)))\*exp(x-4);}

else {f=tan((3\*x\*pi)/2)\*fabs(log(4-(3\*x)));}

printf("f([%3.1f]=[%3.2]\n",x,f);

}while(x<10);

return(0);

}

// Календарь.cpp: определяет точку входа для консольного приложения.

//

#include "stdafx.h"

#include <conio.h>

#include "iostream"

int main()

{

int D,M,G,D1,M1,G1;

int dmax;

system("cls");

printf("Vvedite datu v formate D.M.G\n");

scanf("%d.%d.%d",&D,&M,&G);

switch(M)

{

case 1:{dmax=31;break;}

case 3:{dmax=31;break;}

case 5:{dmax=31;break;}

case 7:{dmax=31;break;}

case 8:{dmax=31;break;}

case 10:{dmax=31;break;}

case 12:{dmax=31;break;}

case 4:{dmax=30;break;}

case 6:{dmax=30;break;}

case 9:{dmax=30;break;}

case 11:{dmax=30;break;}

case 2:{if(G==0) dmax=29;

else dmax=28;break;}

default:{printf("Nepravelbno vveli \n");}

}

if(D<dmax)

{

D1=D+1;

}

else if(D=dmax)

{

if(M==12)

{

D1=1,M1=1,G1=G+1;

}

else

{

D1=D+1,M1=M+1;

}

}

else

{

printf("Nepravilbno vveli D \n");

}

printf("%d.%d.%d.",D1,M1,G1);

system("pause");

return 0;

}

**4.**

#include<stdio.h>

#include<conio.h>

#include<math.h>

int main()

{

float x,y;

int lower,upper;

float step;

clrscr ();

FILE \*file1,\*file2;

file1=fopen("zna4.txt","r");

fscanf(file1,"%d %d %f",&lower,&upper,&step);

file2=fopen("function.txt","w");

printf("2/3\*e^x-sin^3(x^2) \n");

for(x=lower;x<=upper;x=x+step)

{

y=((2/3.0)\*(exp(x))-0\*(pow(sin(pow(x,2)),3)));

fprintf(file2,"(%5.2f)=(%5.2f)\n", x,y);

}

return(0);

}