DANG 1

1. syms x

limit((9^x)/(factorial(n)),inf)

2. syms x

limit((1/(x+(-1)^x)),x,inf)

3. syms x

limit(sqrt(x^2+1)-(x^3+1)^(1/3),x,inf

4. syms x

limit((2^x+3^x)/(2^x-3^x),n,inf)

5. syms x

limit((2\*x^3+3\*x^2-9\*log(x))/(3\*(log(x))^7-x^3),x,inf)

6. syms x

syms m;syms m;limit((x^(1/m)-1)/(x^(1/n)-1),x,1)

7. syms x

limit((sqrt(x)+sqrt(x-1)-1)/sqrt(x^2-1),x,pi/4)

8. syms x

limit((sqrt(2)-2\*cos(x))/(pi-4\*x),x,pi/4)

9. syms a x;

limit((tan(pi\*x)/(2\*a))\*sin((x-a)/2),x,a)

10. sym a x;

f=(log(x)\*(1+x))/(log(a)\*x)

limit(f,x,0)

11. syms x

limit(((x-1)/(x+2))^(2\*x+1),x,inf)

12. syms a x;

limit(x\*(a^(1/x)-1),x,inf)

13. syms x

limit((2+x)^(1/x),x,0,'left')

limit((2+x)^(1/x),x,0,'right')

14. syms x;

Limit((abs(tan(4\*x-pi))/(2\*x-pi/2),x,pi/4,’right’)

Limit((abs(tan(4\*x-pi))/(2\*x-pi/2),x,pi/4,’left ’)

15. syms x;

limit((exp(1/x)+1/x)^x,x)

16. syms x

limit((2^x-x^2)/(x-2),x,2)

17. syms x

limit((tan(2\*x)-3\*asin(4\*x))/(sin(5\*x)-6\*atan(7\*x)),x,0)

18. syms x

limit((exp(sin(x))+log(1-x)-1)/(asin(x)-sin(x)),x,0)

19. syms x

limit((exp(x)+log(1-sin(x))-1)/((8-x^4)^(1/3)-2),x,0)

20. syms x

limit(((1+x)^(1/x)-exp(1))/((sin(x))^2+x),x,0).

21. syms x

limit((1+x\*cos(x)-sqrt(1+2\*x))/(log(1+x)-x),x,0)

22. syms x

limit(1/cos(log(x))^(1/(cos(x) - 1)).???

23. syms x

limit(((2\*x^2+3)/(2\*x^2-1))^(x^2),x,0)

24. syms x

limit((2-x/a)^(tan((pi\*x)/(2\*a))),x,a)

DANG 2

1. syms x;

subs(diff((sqrt(x)-1)\*(1/sqrt(x)+1),x,2),x,1)

2. syms x;

subs(diff((sin(x)-cos(x))/(sin(x)+cos(x)),x,3),x,0)

3. syms x;

subs(diff(exp(x/3)\*(cos(x/3))^2,x),0)

4. syms x;

subs(diff(log(tan(pi/4+x/2)),x,2),x,0)

5. syms x;

subs(diff(sqrt(x+sqrt(x+sqrt(x))),x,1),x,1)

6. syms x;

subs(diff((sin(x))^(asin(x)),x,2),x,1)

7. syms x;

subs(diff(exp(2\*x)\*sin(3\*x),x,3),x,0)

8. syms x;

subs(diff(x^(3\*x)\*log(x),x,4),x,1)

9. syms x;

subs(diff(2^(sin(x))\*cos(sin(x)),x,2),x,0)

10. syms x t;

x=t\*(t\*cos(t)-2\*sin(t))

y=t\*(sin(t)+2\*cos(t));

y1=diff(x,t)/diff(y,t)

subs(y1,t,pi/4)

11. syms x t;

x=acos(1/sqrt(1+t^2));

y=asin(t/sqrt(1+t^2));

y1=diff(y,t)/diff(x,t)

y2=diff(y1,t)/diff(x,t)

12. syms x t;

x=atan(t);

y=log(1-t^2);

y1=diff(y,t)/diff(x,t);

y2=diff(y1,t)/diff(x,t)

13. syms x;

subs(diff(exp(x)/(x^2),x,2),x,1)

14. syms x;

subs(diff((x+sin(x))^x,x,1),x,pi/4)

15. syms x;

subs(diff(log(x^2+sqrt(x^4+1)),x,1),x,0)

16. syms x;

subs(diff((2\*x+3)\*exp(-x),x,1))

17. syms x t;

>> int(exp(-t^2)+t,0,x)

ans =

x^2/2 + (pi^(1/2)\*erf(x))/2

>> diff(ans,x,1)

ans =

x + exp(-x^2)

>> subs(ans,x,1)

ans =

exp(-1) + 1

18. syms t x;

subs(diff(int(exp(t)/t,1,x),x,log(2)))

DANG 3

1. syms x

diff((cos(x))^2,x)

2. syms x

int(x^2+x-2,x)

3. syms x

int(atan(x),x)

4. syms x

int(x^2\*exp(-x),x)

5. syms x

int(log(x)/x,x)

6. syms x

int(x\*log(x),x,1,2)

7. int(x\*atan(x),x,0,1)

8. int(x\*exp(-x),x,0,inf)

9. int(x/sqrt(1-x^2),x,0,1)

10. syms x a

int(1/(a^2+x^2),x,0,a)

11.KHONG HIEU KET QUA

syms a x;

int((1/(a^2+x^2)),x,0,inf)

12. syms x

int(exp(-x^2),x,0,inf)

13. int(sin(x)/x,x,0,pi/2)

14.khong ra

15. int(x\*exp(-x),x,inf,0)

DANG 4

1. plot([1 2 -1 1],[1 3 2 1])

2. syms x;

x=linspace(-1,2,30);

y=exp(x);

x1=linspace(2,-1,30);

y1=0\*x1;

plot([x x1],[y y1])

3. syms x;

x=linspace(0,2\*pi,30);

y=cos(x);

x1=linspace(2\*pi,0,30);

y1=0\*x1;

plot([x x1],[y y1])

4. syms t

t=linspace(0,2\*pi,30);

x1=1+sin(t);

y1=cos(t);

x2=sin(t);

y2=1+cos(t);

plot(x1,y1);

hold on

plot(x2,y2)

5. syms x;

x=linspace(1/exp(1),exp(1),30);

y=log(x);

x1=linspace(exp(1),1/exp(1),30);

y1=-1+0\*x1;

plot([x x1],[y y1])

6. syms t

t=linspace(0,2\*pi,30);

x1=1+sin(t);

y1=cos(t);

x2=sqrt(2)\*sin(t);

y2=sqrt(2)\*cos(t);

plot(x1,y1);

hold on

plot(x2,y2)

7. syms y

f1=sqrt(y^2-2\*y);

f2=sqrt(2\*y-y^2);

f3=y\*sqrt(3);

gd=double(solve(f1-f3))

gd=double(solve(f2-f3)) %th?y ra 2 nghi?m-> s? d?ng d? v?)

set(ezplot(f2,[gd(1), gd(2)]),'color','r')

set(ezplot(f3,[gd(1),gd(2)]),'color','b')

8. syms x;

x=linspace(0,3,30);

y=sinh(x);

x1=linspace(3,0,30);

y1=0\*x1;

plot([x x1],[y y1])

9. syms t

x=linspace(1,3,30);

y=3./x;

y1=4\*ones(1,30)-x;

plot(x,y);

hold on

plot(x,y1)

10. syms x t;

x=linspace(0,1,30);

y=asin(x);

y1=pi/2+0\*x;

hold on

plot(x,y);

plot(x,y1);

set(ezplot(0\*t,t,[0 asin(1)]));

DANG 5

1. syms x

2\*int(abs(sin(x)),x,0,pi)

2. syms x

int(abs(x^2-3\*x),x,0,3)

3. syms x

int(abs(sqrt(x)/(x^3+1)),x,0,inf)

4. syms x

f1=2\*sqrt(x);

f2=-2\*sqrt(x);

f3=x^2/4;

solve(f1-f3) %th?y ra 2 nghi?m-> s? d?ng

solve(f2-f3)

gd=double(solve(f1-f3));

int(abs(2\*sqrt(x)-x^2/4),x,gd(1),gd(2))

5. syms x

A = solve(exp(x) - 1 == exp(3\*x) - 3)

isreal(A(1,1)), isreal(A(2,1)),

isreal(A(3,1))

int(abs(exp(3\*x) - exp(x) - 2), 0, A(1,1))

6. A = solve(x^2 + y^2 == 1, x^2 + y^2 -2\*y ==1)

A = [A.x A.y]

int(abs(sqrt(1 - x^2) - sqrt(2 - x^2) - 1),

A(1,1), A(1,2))

7. syms x

xo = solve(log(x + 2) = 2\*log(x))

int(abs(log(x + 2) - 2\*log(x)), 1/exp(1),xo)

8. syms x y

A = solve(x^2 + y^2 == 1, x^2 + y^2 +2\*y ==1)

A = [A.x A.y]

int(abs(sqrt(1 - x^2) - sqrt(2 - x^2) + 1),

A(1,1), A(1,2))

9. syms x y

A = solve(x^2 + y^2 == 8, y^2 == 2\*x)

abs(int(abs(y^2/2 - sqrt(8 - y^2)), 2, -2))

10. syms x

f1=27/(x^2+9);

f2=x^2/6;

solve(f1-f2) %ra nghi?m là -3 ,3

int(abs(f1-f2),x,-3,3)

DANG 6

1. syms x;

y=x^3/3

dt=2\*pi\*int(abs(y)\*sqrt(1+(diff(y))^2),x,0,1)

2. syms x;

f=x^2-x;

a=solve(f);

dt=double(2\*pi\*int(abs(f)\*sqrt(1+(diff(f))^2),x,a(1,1),a(2,1)))

3. syms x;

f=x;

g=5\*x+x^2;

h=f-g

a=solve(h)

dientich=2\*pi\*double(int(abs(f-g)\*sqrt(1+(diff(f-g))^2),x,a(1,1),a(2,1)))  
4. syms x;

y1=x^2/2;

y2=sqrt(2\*x);

f=y1-y2

a=solve(f);

dientich=abs(int(f,x,a(1,1),a(2,1)))

5. syms y;

x=sqrt(4\*(1-y^2/9));

a=solve(x)

dientich=2\*pi\*double(int(abs(x)\*sqrt(1+(diff(x,y))^2),y,a(2,1),a(1,1)))

6. syms x;

y=sqrt(9\*(1-x^2/4));

a=solve(y);

dientich=2\*pi\*double(int(abs(y)\*sqrt(1+(diff(y))^2),x,a(2,1),a(1,1)))  
7. syms x;

f=x^2-4;

a=solve(f)

dientich=2\*pi\*double(int(abs(f)\*sqrt(1+(diff(x))^2),x,a(2,1),a(1,1)))

8. syms y;

x=sqrt(y);

a=solve(x);

dientich=2\*2\*pi\*int(abs(x)\*sqrt(1+(diff(x))^2),y,a,4)  
9. syms y;

x=4-y^2;

a=solve(x)

dientich=2\*2\*pi\*int(abs(x)\*sqrt(1+(diff(x,y))^2),y,a(2,1),a(1,1))  
10. syms x;

y=sqrt(x-4);

a=solve(y)

dientich=2\*2\*pi\*int(abs(y)\*sqrt(1+(diff(y))^2),x,0,a)DANG 3.7

1. pi\*int(1-x^2,x,-1,1)

2. 2\*pi\*int(abs(x\*(2\*x-x^2-3)),x,0,3)

3. pi\*int((exp(-x)\*sin(x))^2,x,0,inf)

4. syms x

y1=x^2/2;

y2=(3-2\*x)/2;

double(solve(y1-y2))

pi\*int(abs(y1^2-y2^2),x,-3,1)

5. 2\*pi\*int(x\*(sin(x))^2,x,0,pi)

6. 2\*pi\*int(abs(x\*(x^2/2-2\*x)),x,-4,0)

7. syms x;

f=exp(-x)+1

g=exp(-2\*x)-1

a=solve(-exp(-2\*x)+exp(-x)+2)

tt=abs(pi\*int(f-g,x,0,a(2,1)))

can than vi khi giai Phuong trinh ta dc 1 nghiem phuc nen loai ko tinh nghiem phuc do

8. 2\*pi\*int(abs(x\*(((x^2+1))^2+5)),x,-2,2)

DANG .8

1. syms x;

f=x^(3/2)

a=diff(f)

l=double(int(sqrt(1-a^2),x,0,4))

2. syms x;

y=log(cos(x));

a=diff(y)

b=sqrt(1-a^2);

L=int(b,x,0,pi/4)

3. syms x;

y=x^2;

a=diff(y);

b=sqrt(1-a^2);

L=int(y,x,0,1)

4.

5. syms x;

y=sqrt(2-x^2);

L=int(y,x,0,sqrt(2)) %vi x^2=2-y^2,nen 0<=x<sqrt(2)

DANG 9

1. dsolve('y-x\*Dy=y\*ln(x/y)','x')

2. dsolve('(1-x)\*(Dy+y)=exp(-x)','y(2)=1','x')

3. dsolve('Dy-y\*cotx=sinx','x')

4. dsolve('Dy-y\*tanx+y^2\*cosx=0','x')

5. dsolve('(1+x^2)\*Dy-2\*x\*y=(1+x^2)^2','x')

6. dsolve('Dy=(2\*x-y+1)/(x-2\*y+1)','x')

7. dsolve('Dy-y\*cotx=sinx','x')

8. dsolve('(x^2+1)\*Dy+4\*x\*y=3','x')

9. dsolve('Dy+3\*y/x=2/(x^3)','x')

10. dsolve('x^3\*Dy=y\*(x^2+y^2)','x')

11.BI LOI

dsolve('y\*Dx+cotx\*Dy=0','y(pi/3)=-1','x')

12. dsolve('Dy+y/(x+1)+y^2=0','x')

13. dsolve('x\*Dy-y=(x^2+y^2)^(1/2)','x')

14.BI LOI

dsolve('((x\*y)^(1/2)+x^(1/2))\*Dy-y=0','x')

15. dsolve('x\*Dy+y=(y^2)\*lnx','y(1)=1','x')

16. dsolve('D2y+2\*Dy=3\*x','x')

17. dsolve('D2y-3\*Dy+2\*y=3\*exp(2\*x)','x')

18. dsolve('D2y+2\*Dy+5\*y=x+cosx','x')

19. dsolve('D2y+Dy+4\*y=(sinx)^2','x')

20. dsolve('5\*D2y-6\*Dy+5\*y=x\*exp(x)','x')

DANG 4.1

1. syms x a

limit(x+1,x,1,'left')

subs(x+1,1)

limit(3-a\*x^2,x,1,'right')

a=solve('3-a=2')

x=linspace(-3,1);

plot(x,x+1);

hold on

x1=linspace(1,4);

plot(x1,3-x1.^2);

plot(1,2,'\*');

2. syms x a

limit(x-1,x,1,'left')

subs(x-1,1)

limit(a\*x^2-2,x,1,'right')

a=solve('a-2=0')

x=linspace(-20,1);

x1=linspace(1,30);

plot(x,x-1);hold on

plot(x1,2\*x1.^2-2)

plot(1,0,'\*')

3. syms x a b;

subs(a\*x+1,pi/2)

limit(a\*x+1,x,pi/2,'left')

limit(sin(x)+b,x,pi/2,'right')

solve('(pi\*a)/2+1=b+1')

b=ans

subs(b,1)

x=linspace(-20,pi/2);

x1=linspace(pi/2,20);

plot(x,x+1);

hold on

plot(x1,sin(x1)+1.5708)

plot(pi/2,pi/2+1,'\*');

4. syms x a;

subs(a,0)

limit(x\*atan(1/x),x,0,'left')

limit(x\*atan(1/x),x,0,'right')

ezplot(x\*atan(1/x),[-20,20]);hold on

plot(0,0,'\*');

5. syms x a b;

subs(a-x^2,0)

limit(a-x^2,x,0,'left')

limit(b/(x+1),x,0,'right')

subs(b,1)

ezplot(1-x^2,[-10,0]);hold on

ezplot(1/(x+1),[0,10])

plot(0,1,'\*')

6,7,8 VIET THEM LENH, F(X0) KHONG XAC DINH,HAM KHONG LIEN TUC

6. syms x a;

subs(1/(x+exp(1/(x-3))),3)

limit(1/(x+exp(1/(x-3))),x,3,'right')

limit(x^2+a\*x,x,3,'left')

a=solve('3\*a+9=0')

ezplot(1/(x+exp(1/(x-3))),[3,10]); hold on

ezplot(x^2+a\*x,[-10,3]);

plot(3,0,'\*')

7. syms x a;

subs(1/(2^(1/(x-1))+1),1)

limit(1/(2^(1/(x-1))+1),x,1,'right')

limit(a\*x^2+1,x,1,'left')

a=solve('a+1=0')

ezplot(1/(2^(1/(x-1))+1),[1,5])

hold on

ezplot(a\*x^2+1,[-6,1]);

plot(1,0,'\*');

8. syms x a;

subs(1/(2^(1/(x-1))+1),1)

limit(1/(2^(1/(x-1))+1),x,1,'right')

limit(a\*x^2+1,x,1,'left')

a=solve('a+1=0')

ezplot(1/(2^(1/(x-1))+1),[1,5])

hold on

ezplot(a\*x^2+1,[-6,1]);

plot(1,0,'\*');

DANG 4.3

1. syms x

limit((exp(x)-1)/x,x,0,'right')

limit(x/2+1,x,0,'left')

hold all

ezplot((exp(x)-1)/x,[0,1])

ezplot(x/2+1,[-1,0])

ezplot(diff(x/2+1)\*(x-0)+1,[-1,1]) %TIEP TUYEN

2. syms x

limit(x,x,1,'left')

limit(x^2-x,x,1,'right')

hold all

ezplot(x,[0,1])

ezplot(x^2-x,[1,2]) %TIEP TUYEN

3. syms x

limit(exp(1/x)/x,x,0,'left')

limit(x^2,x,0,'right')

hold all

ezplot(exp(1/x)/x,[-1,0])

ezplot(x^2,[0,1]) %duong cong

disp('ko co tiep tuyen tai x=0')

4. syms x

limit((x-1)/log(x),x,1,'right')

limit((1-x)^2+(x+1)/2,x,1,'left')

hold all

ezplot((x-1)/log(x),[1,2])

zplot((1-x)^2+(x+1)/2,[0,1])

k=syms x; subs(diff((1-x)^2+(x+1)/2),1)

ezplot(k\*(x-1)+subs((1-x)^2+(x+1)/2,1),[0,2]) %TIEP TUYEN

DANG 4.4

1. syms a b x

f=sin(a\*x^2)/2+(1+a\*x)^(1/a)-exp(x)

taylor(f,4)

solve(a^2/3-a/2-3/2)

DANG 4.6 KHONG HIEU RO??

1. syms x

f=(2\*x-1)/(2\*x^3+x^2-8\*x+5)

[t m]=numden(f)

t= sym2poly(t)

m=sym2poly(m)

[m n p]= residue(t,m)

solve((x-m(1))\*(x-m(2))\*(x-m(3)))

2. syms x

F=(3\*x^2-2)/(x^3+2\*x^2-2\*x+3)

[t m]= numden(f)

t= sym2poly(t)

m=sym2poly(m)

[m n p]= residue(t,m)

solve(x-m(1))

m(2)\*(x-n(3))+m(3)\*(x-n(2))

simplify(ans)

(x-n(2))\*(x-n(3))

simplify(ans)

3. syms x

f=(x^4-2)/(2\*x^3+x^2-8\*x+5)

[t m]= numden(f)

t=sym2poly(t)

m=sym2poly(m)

[m n p]= residue(t,m)

solve((x-m(1))\*(x-m(2))\*(x-m(3)))

4. syms x

f=(x+1)/(x^4+5\*x^2-36)

[t m]= numden(f)

t= sym2poly(t)

m=sym2poly(m)

[m n p]= residue(t,m)

solve((x-m(3))\*(x-m(4)))

m(1)\*(x-n(2))+m(2)\*(x-n(1))

(x-n(1))\*(x-n(2))

DANG 4.7

1. syms x t

ezplot(t,4+0\*t,[-5,5])

ezplot(x^2,[-3,3])

axis square

solve(x^2-4)

int(abs(x^2-4),-2,2)

2. syms x t

ezplot(x^2-2\*x,[0,6])

hold on;

ezplot(t,3+0\*t,[0,6])

solve(x^2-2\*x-3)

int(abs(x^2-2\*x-3),0,3)

3. syms x

ezplot(9\*log(x)/x,0,10); hold on

ezplot(x\*log(x),0,10)

solve((9\*log(x))/x-x\*log(x))

int(abs(9\*log(x)/x-x\*log(x)),0,3)

DANG 4.8

1. syms x;

>> f=exp(x)\*sqrt(1-x)

g=sqrt(1-x)

a=solve(f-g)

vox=pi\*abs(int(f^2-g^2,x,a(1,1),a(2,1)))

2. syms x t

hold all

ezplot(x^2)

ezplot(t,0+0\*t)

ezplot(2-x)

2\*pi\*int(abs(x\*(x^2-2+x)),0,2)

3. syms x t

hold all

ezplot(2\*x-x^2,0,3)

ezplot(t,3+0\*t,[0,3])

%hai do thi khong cat nhau nen khong tinh dc the tich

4.

DANG 4.9

1. syms x real

f=sqrt(1+x^2)

ezplot(f,[0,1])

dien\_tich= 2\*pi\*double(int(abs(f)\*sqrt(1+diff(f)^2),0,1))

2. syms x

f=(sqrt(x)\*(x-12))/6

ezplot(f,[0,12])

dien\_tich=2\*pi\*double(int(abs(f)\*sqrt(1+diff(f)^2),0,1)).  
DANG 5.1  
1. syms x; syms t;

f=x^3/(2\*(x^2+1))

limit(f,x,inf)

limit(f,x,-inf)

limit(f,x,0)

a=limit(f/x,x,inf)

b=limit(f-a\*x,x,inf)

ezplot(f,[-10,10])

hold on

ezplot(a\*x+b,[-10,10])

grid on  
3. syms x; syms t;

f=(2\*x-1)\*exp(2/x)

limit(f,x,inf)

limit(f,x,-inf)

limit(f,x,0,'right')

limit(f,x,0,'left')

a=limit(f/x,x,inf)

b=limit(f-a\*x,x,inf)

ezplot(f,[-10,10])

hold on

ezplot(a\*x+b,[-10,10])

grid on  
2. syms x; syms t;

f=x^3/sqrt(x^4+1)

limit(f,x,inf)

limit(f,x,-inf)

limit(f,x,0,'right')

limit(f,x,0,'left')

a=limit(f/x,x,inf)

b=limit(f-a\*x,x,inf)

ezplot(f,[-10,10])

hold on

ezplot(a\*x+b,[-10,10])

grid on  
4. syms x; syms t;

f=exp(1/x)-x

limit(f,x,inf)

limit(f,x,-inf)

limit(f,x,0,'right')

limit(f,x,0,'left')

a=limit(f/x,x,inf)

b=limit(f-a\*x,x,inf)

ezplot(f,[-10,10])

hold on

ezplot(a\*x+b,[-10,10])

grid on  
5. syms x; syms t;

f=x^2/sqrt(1+x^2)

limit(f,x,inf)

limit(f,x,-inf)

limit(f,x,0,'right')

limit(f,x,0,'left')

a=limit(f/x,x,inf)

b=limit(f-a\*x,x,inf)

ezplot(f,[-10,10])

hold on

ezplot(a\*x+b,[-10,10])

grid on  
7.  
syms x; syms t;

f=(2\*x-1)\*exp(1/x)

limit(f,x,inf)

limit(f,x,-inf)

limit(f,x,0,'right')

limit(f,x,0,'left')

a=limit(f/x,x,inf)

b=limit(f-a\*x,x,inf)

ezplot(f,[-10,10])

hold on

ezplot(a\*x+b,[-10,10])

grid on

ezplot(0\*t,t,[-2 0])

DANG 5.2

1. f=(exp(x)-1)/x

g=x/2

limit((f-subs(g,0))/(x-0),x,0,'right')

limit((g-subs(g,0))/(x-0),x,0,'left')

ezplot(f,[0,10])

hold on

ezplot(g,[-10,0])

plot(0,subs(g,0),'\*')

y=1/2\*x

ezplot(y,[-10,50])

2. syms x;

f=exp(1/x)

g=x^2+1

dhp=limit((f-subs(f,x,0))/x,x,0,'right')

dht=limit((g-subs(f,x,0))/x,x,0,'left')

tp=subs(dhp,x,0)\*x+subs(f,x,0)

tt=subs(dht,x,0)\*x+subs(g,x,0)

ezplot(f,[0,10])

hold on

ezplot(g,[-10,0])

hold on

ezplot(tp,[0,10])

hold on

ezplot(tt,[-10,0]);

y=0;

hold on

ezplot(0\*x,[-50,50])

3. f=(x-1)/log(x)

g=(1-x)^2

limit((f-subs(g,1))/(x-1),x,1,'right')

limit((g-subs(g,1))/(x-1),x,1,'left')

ezplot(f,[1,10])

hold on

ezplot(g,[-10,1])

plot(1,subs(g,1),'\*')

y=0

ezplot(0\*x,[-10,10])