

PROGRAM:IMAGE

```

ClrHome
Input "X=",X
Y1(X)→Y
Disp "F(X)="
Disp Y▶Frac

```

PROGRAM:CANONIK

```

ClrHome
Disp "F(X)=AX2+BX+C"
Input "A=",A
Input "B=",B
Input "C=",C
B2-4*A*C→D
ClrHome
Disp "FORME CANONIQUE"
Disp "F(X)=A(X+D)2+E"
Disp "D="
Disp (B/(2*A))▶Frac
Disp "E="
Disp (-D/(4*A))▶Frac

```

PROGRAM:DEGRE2

```

ClrHome
Input "A=",A
Input "B=",B
Input "C=",C
B2-4*A*C→D
ClrHome
Disp D▶Frac
If D<0
Then
Disp "VIDE"
End
If abs(D)<1E-12
Then
Disp "X0="
Disp "(-B/(2*A))▶Frac"
End
If D>0
Then
Disp "X1="
Disp "((-B-√(D))/(2*A))▶Frac"
Disp "X2="
Disp "((-B+√(D))/(2*A))▶Frac"
End

```

PROGRAM:DROITE

```

ClrHome
Disp "A(X,Y)"
Input "X=",X
Input "Y=",Y
Disp "B(Z,T)"
Input "Z=",Z
Input "T=",T
If X=Z
Then
ClrHome
Disp "DROITE"
Disp "VERTICALE"
Disp "X=",X
Else
If Y=T
Then
ClrHome
Disp "DROITE"
Disp "HORIZONTALE"
Disp "Y=",Y
Else
If (X ≠ Z) and (Y ≠ T)
Then
ClrHome
(T-Y)/(Z-X)→M
Y-M*X→P
Disp "DROITE"
Disp "OBLIQUE"
Disp "Y=MX+P"
Disp "M="
Disp M▶Frac
Disp "P="
Disp P▶Frac

```

PROGRAM:TANGENTE

```

ClrHome
ClrDraw
Input "A=",A
nDeriv(Y1,X,A)→M
Y1(A)-M*A→P
Disp "EQUATION DE"
Disp "LA TANGENTE"
Disp "Y=MX+P"
Disp "M="
Disp M▶Frac
Disp "P="
Disp P▶Frac

```

PROGRAM:SYSTEME

```

ClrHome
Disp "SYSTEME (2,2)"
Disp "1ERE EQUATION"
Disp "AX+BY=C"
Prompt A,B,C
Disp "2EME EQUATION"
Disp "DX+EY=F"
Prompt D,E,F
A*E-B*D→K
E*C-B*F→U
A*F-C*D→V
If K ≠ 0
Then
ClrHome
Disp "UN POINT A(X,Y)"
Disp "X="
Disp U/K▶Frac
Disp "Y="
Disp V/K▶Frac
End
If (K=0) and (V=0)
Then
ClrHome
Disp "UNE DROITE"
Disp "Y=MX+P"
Disp "M="
Disp (-A/B)▶Frac
Disp "P="
Disp (C/B)▶Frac
End
If (K=0) and (V ≠ 0)
Then
ClrHome
Disp "ENSEMBLE VIDE"
End

```