```
a+bi
ClrHome
PlotsOff
Disp "eeeeeeeeeeeeeee"
Disp ""
Disp ""
Disp "  ECCENTRICITY"
Disp ""
Disp ""
Disp "eeeeeeeeeeeeeee"
Pause
ClrHome

Lbl AØ

Menu("WHAT CONIC?","CIRCLE",A1,"PARABOLA",A2,"ELLIPSE",A3,"HYPERBOLA",A4,"GET OUTTA HERE
",A5)

Lbl A1
Disp "e=Ø"

Pause
ClrHome
Goto AØ

:Lbl A2
:Disp "e=1"

:Pause
:ClrHome
:Goto AØ

::Lbl A3
::ClrHome
::Disp "ELLIPSE OF FORM"
::Disp "(X²/A²)+(Y²/B²)"
::Disp "=1"
::Prompt A,B

::If A>B:Then
::√(A²-B²)→C
::C/A→E
::Disp "e="
::Disp E▶Frac

::Else
::If B>A:Then
::√(B²-A²)→C
::C/B→E
::Disp "e="
::Disp E▶Frac

::Pause
::ClrHome
::Goto AØ

:::Lbl A4
:::ClrHome
```

```
:::Disp "HYPERBOLA OF"
:::Disp "FORM"
:::Disp "(X²/A²)-(Y²/B²)"
:::Disp "=1"
:::Prompt A,B

:::√(A²+B²)→C
:::C/A→E

:::Disp "e="
:::Disp E▶Frac

:::Pause
:::ClrHome
:::Goto AØ

::::Lbl A5
::::Output(4,5,"SEE YAH!")
::::Pause
::::ClrHome
::::Stop
```