

**Red items are commands all found under Catalog or other menus**

### **Program Quad**

```
:Lbl AB
:ClrHome
:Disp "QUADRATIC","EQUATION","AX2+BX+C", ""
:Prompt A,B,C
:ClrHome
:Disp "SOLUTIONS ARE:",""
:If ((B)2-4AC)<0
:Then
:Disp "IMAGINARY"
:a+bi
:End
:Disp (-B+√((B)2-4AC))/(2A),"AND", (-B-√((B)2-4AC))/(2A)
:Output(8,1,"PRESS ENTER")
:Pause
:Menu("GO AGAIN?","YES",AB,"NO",AC)
:Lbl AC
:ClrHome
```

### **Program Dist**

```
:Lbl AB
:ClrHome
:Disp "DIST FORMULA", ""
:Input "X1 =? ",A
:Input "Y1 =? ",B
:Input "X2 =? ",C
:Input "Y2 =? ",D
:ClrHome
:Disp "SOLUTIONS IS:",""
:Disp √((A-C)2+(B-D)2)
:Output(8,1,"PRESS ENTER")
:Pause
:Menu("GO AGAIN?","YES",AB,"NO",AC)
:Lbl AC
:ClrHome
```

**Now Try to do a Program for the Mid PT formula on your own**