

## Line 'Em Up – Calculator Programs

### PROGRAM: POINTS

```
:Lbl 1
:ClrDraw
:-6→Xmin
:6→Xmax
:1→Xsc1
:-6→Ymin
:6→Ymax
:1→Ysc1
:GridOn
:AxesOn
:Lbl2
:ClrHome
:Disp "X COORDINATE"
:Input A
:Disp "Y COORDINATE"
:Input B
:Disp "YOUR POINT IS"
:Disp {A,B}
:Pause
:Pt-On(A,B,2)
:Pause
:Disp "PLOT MORE"
:Disp "POINTS?"
:Disp "YES=1 NO=0"
:Input C
:If C=0:Stop
:Disp "CLEAR ALL"
:Disp "OLD POINTS? "
:Disp "YES=1 NO=0"
:Input D
:If D=1:Goto 1
:If D=0:Goto 2
:
```

### PROGRAM: PTGAME

```
:FnOff
:PlotsOff
:Lbl 1
:ClrHome
:ClrDraw
:GridOn
:AxesOn
:-6→Xmin
:6→Xmax
:1→Xsc1
:-6→Ymin
:6→Ymax
:1→Ysc1
:Disp "STATE THE"
:Disp "COORDINATES OF"
:Disp "THE POINT"
:Pause
:randInt(-5,5)→E
:randInt(-5,5)→F
:Pt-On(E,F,2)
:Lbl 2
:DispGraph
:Pause
:Disp "X VALUE?"
:Input G
:Disp "Y VALUE?"
:Input H
:Disp "YOUR GUESS IS"
:Disp (G,H)
:Pause
:If E=G
:Goto 4
:Lbl 5
:Disp "YOUR COORDINATES"
:Disp "ARE INCORRECT."
:Disp "TRY AGAIN!"
:Pause
:Goto 2
:Lbl 4
:If F=H:Goto 6
:Goto 5
:Lbl 6
:Disp "VERY GOOD!"
:Disp "PLAY AGAIN?"
:Disp "YES=1 NO=2"
:Input I
:If I=1:Goto 1
:ClrDraw
:FnOn
:
```