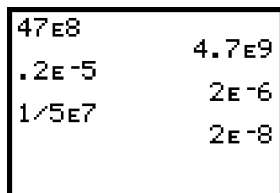
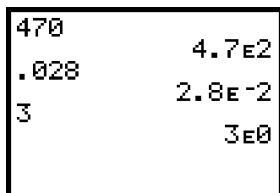
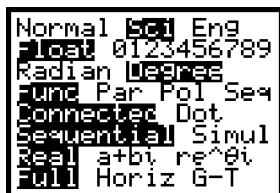


To have your calculator display *all* numbers in standard scientific notation, press **[MODE]**, arrow to Sci, and press **[ENTER]**. Now any number, regardless of size or form, will appear in scientific notation.



Note 7D • BOUNCE and PENDULUM Programs

Attach the motion sensor to the calculator and run either the BOUNCE or the PENDULUM program. The data will be collected in lists L1 and L2, and when the data collection is complete, a stat plot will be displayed on the calculator screen.

PROGRAM: BOUNCE

```
50→N
Disp "HOLD BALL 1 M OR", "LESS FROM
  FLOOR.", "HOLD PROBE 0.5 M", "ABOVE
  THE BALL.", "RELEASE BALL
  THE", "SAME TIME YOU", "PRESS
  TRIGGER"
Send({1,11,2,0,0,0})
Send({3,.06,N,1,0,0,0,0,1})
For(H,1,1000):End
Disp "PRESS ENTER", "WHEN DONE"
Pause
Get(L2)
Get(L1)
max(L2)-L2→L2
Plot1(Scatter,L1,L2,.)
FnOff :ZoomStat
```

PROGRAM: PENDULUM

```
31→N:ClrHome
Send({0})
Send({1,11,2,0,0,0})
Disp "GIVE CAN A SMALL", "SWING,
  ALIGN THE", "PROBE. PRESS", "ENTER
  TO START"
ClrList L2
Pause
Disp "COLLECTION WILL", "TAKE 3
  MINUTES"
For(J,1,N)
Send({3,.04,99,0})
Get(L1)
min(L1)→L2(J)
End
1-Var Stats L2
Q1-(Med-Q1)2/(Q3-2Med+Q1)→K
K-L2→L2
seq(H,H,0,N-1)→L1
Plot1(Scatter,L1,L2,.)
ZoomStat
```