

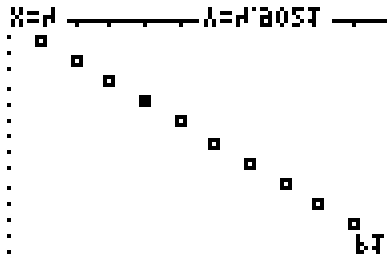
Graphing.

1. 2nd → STAT PLOT → ENTER. Move the cursor and press ENTER as appropriate to get to the following screen:-

```

W@WK: [ ] + .
ΔI I z f: [ ] 5
X I I z f: [ ] 4
LAB6: [ ] [ ] [ ] [ ] [ ]
[ ] 0 t t
[ ] [ ] [ ] [ ] [ ]
    
```

2. Now press GRAPH → ZOOM → 9. ZoomStat → TRACE to get:-



You can press the left and right arrow buttons to get different values of X and Y.

Regression.

1. Press 2nd → QUIT or CLEAR → CLEAR to get to the home screen.
2. STAT → CALC → 4: LinReg (ax + b) → add L1, L2, Y1 to the screen to get:-

```

[ ] 5 2 1 1
[ ] I N R E G ( a x + b ) [ ] 1 2
    
```

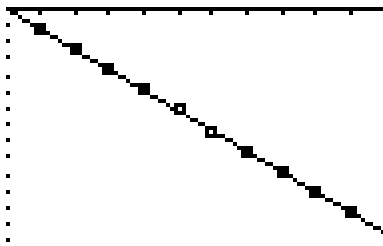
(NB. Find Y1 by pressing VARS ® Y-VARS ® 1: Function ® 1: Y1 ® ENTER)

3. Press ENTER to get the regression:-

```

■
V=I*00
V3=I*00
P=2*12E-4
S=I*32
A=SX+P
[ ] 1066a
    
```

4. Press GRAPH to get:-



Extrapolation.

1. Press WINDOW to see:-

```

X162=I
^ECJ=I
^W9X=14*158E2
^W1U=-*E2052
X^ECJ=I
X^W9X=10*a
X^W1U=*J
MINDOM
    
```

2. Alter values of Xmax to 20 and Ymax to 30, for example:-

```

X162=I
^ECJ=I
^W9X=20
^W1U=-*E2052
X^ECJ=I
X^W9X=30
X^W1U=*J
MINDOM
    
```

3. Press GRAPH to get extrapolation. Use 2nd → CALC → 1:value to enter values of X. Add X=18 → ENTER to get:-

