Using STAT PLOT and finding a best fit line or curve:

1. Given a set of data:

x	1	2	5	8	11	14	17
y	1100	1300	1800	2200	2500	2800	3000

2. Enter the Data into the calculator:

STAT – ENTER
type in independent variable data into **L1**, dependent data **L2**

3. Turn on STAT PLOT:

2nd – Y= – Enter – Enter – 2nd – MODE

4. Graph the data

ZOOM – 9

5. Find the line of best fit and send the equation over to the y-plot

STAT ► CALC – 4 – VARS ► Y-VARS – ENTER – ENTER – ENTER

6. When **Y=** is opened you will see the equation has been placed for graphing, and a line will be drawn of best fit

GRAPH

2.

4.
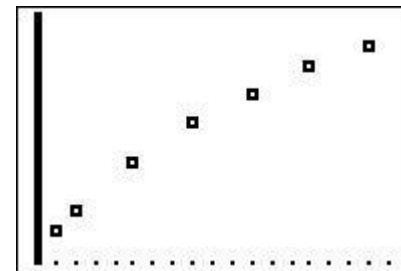
5.

```
LinReg
 y=ax+b
 a=119.4010417
 b=1110.677083

■
```

6.