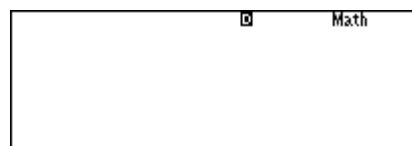


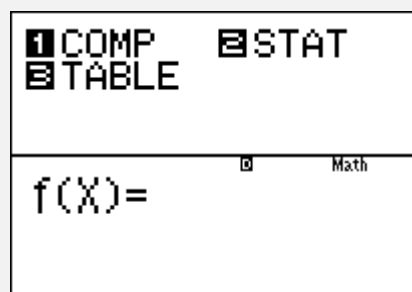
## Module 4: Expressions and Equations

### Part B- Using Tables to help find solutions to equations

When you first turn on the calculator it is in COMP or computation mode.

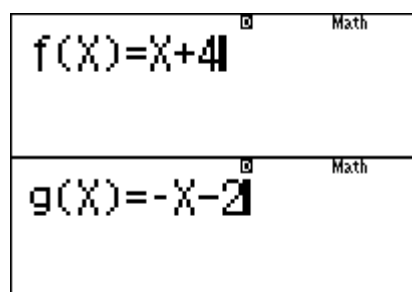


To change the Mode press **MODE**, followed by the number 3.



You can enter up to 2 equations.  
Enter  $f(X)=X+4$  and  $g(X)=-X-2$

**ALPHA** **(X)** **+** **4** **=**  
**ALPHA** **(-)** **(X)** **-** **2** **=**



The calculator will create a table of values. Enter the starting value, ending value and the size of the step between values.

Start?  $\leftarrow$  5  $\equiv$

End? 5  $\equiv$

Step? 1  $\equiv$

|        |   |
|--------|---|
| Start? | 1 |
| End?   | 5 |
| Step?  | 1 |

Use the arrows to navigate through the table.



| X  | F(X) | G(X) |
|----|------|------|
| -5 | -1   | -3   |
| -4 | 0    | -2   |
| -3 | 1    | -1   |

The values in the table represent the number being substituted for X in the equation.

So if  $X=3$ ,  $F(3)=(3)+3$  or 7.

While  $G(3)=-(3)-2$  or -5.

| X | F(X) | G(X) |
|---|------|------|
| 7 | 10   | -9   |
| 6 | 9    | -8   |
| 5 | 8    | -7   |