TABLE TO Y = MX + B

When you are given a table and asked for the equation Y = MX + B here are the steps to follow:

1) Find the slope
   a. Calculate the change in Y by subtracting
   b. calculate the change in x by subtracting
   c. Slope = $\frac{change\ of\ Y}{change\ of\ X}$

2) Once you know the slope, you need to find the y-incept.
   a. If the table has an x value of 0, the corresponding Y value is the y - intercept
   b. If it does not then pick one ordered pair from the table and solve the equation for B.

X	Y
-5	-9
-3	-3
0	6
2	12

X	Y
-2	2
1	-4
4	-10
10	-22