Writing the EQUATION for a TABLE of values

When you're done your equation will look like this   **y = mx + b**

Step 1: _Write "**m**" and "**b**" <u>next to the table.</u>_

**Let's find "b":**

Step 2: <u>Look for the "0" in the table</u>……the <u>number paired with it</u> is your "**b**".

Let's find "m": _(remember, you will write it as a fraction!)_

Step 3: Look at the _first two **y-values**….ask yourself……_

> _"How do I get from the 1st value to the 2nd value?"_

> _Make that the <u>TOP of your FRACTION</u>._

Step 4: Look at the _first two **x-values**….ask yourself……_

> _"How do I get from the 1st one to the 2nd one?"_

> _Make that the <u>BOTTOM of your FRACTION.</u>_

Step 5: _<u>REDUCE the FRACTION</u>,_ if you can.

Step 6: <u>Write the EQUATION</u> and plug in your "**b**" and "**m**"….

So it looks like this: y = ☐ x + ☐

m   b