The equation of a line expresses a relationship between x and y values on the coordinate plane. For instance:

- The equation y = x expresses a relationship where every x value has the exact same y value.
- The equation y = 2x expresses a relationship in which every y value is double the x value,
- y = x + 1 expresses a relationship in which every y value is 1 greater than the x value.

Since, as we just wrote, every equation is a relationship of x and y values, we can create a **table of values** for any line. In other words, a table of values is simply some of the points that are on the line.

1. Equation: y = x + 1



