## 3 – Another Form of the Equation for a Linear Relation

Focus: Recognize the equations of horizontal, vertical, and oblique lines, and graph them. Main Ideas:



## Sometimes, only one variable appears in an equation, for example, x = 2, or, y = -5

## Ex2

Graph x = 2Hint: The only requirement for a point on the graph is that the x value must be 2. So y can be anything, as long as x is 2.

What kind of line is produced?







Ex4 Graph y = -5The only requirement is that for each point, the y value must be -5.



What kind of line is produced?

What kind of equationProduces a:a) oblique line?b) vertical line?c) horizontal line?

**Reflection:** Give an example of an equation that produces a: (i) horizontal line (ii) oblique line (iii) vertical line