

Key words to help write linear Equations

① What is the Linear Equation?

$$y = mx + b$$

• "y" is the y-coordinate when you plug in an x coordinate and solve for "y"

• "m" slope of the line
- Rate of change

Key words:
- total cost
- total time

$$-\frac{\Delta y}{\Delta x} \text{ or } \frac{y_2 - y_1}{x_2 - x_1} \begin{matrix} \text{(change in y)} \\ \text{(change in x)} \end{matrix}$$

- Key words for slope

- Per

- rate

- an hour / minute / second

• "b" is the y-intercept or starting point

- Key words:

- initial amount

- flat fee

- initial cost

- start up cost / fee / price

- down payment

- initial value

- sign up fee / cost / price