

Finding Rate of Change and Initial Value from Situations

Identify the independent and dependent variable, the rate of change, the initial value. Make a table, graph and equation representing the relationship. Be sure to label the axis on the graph.

Example: Terry has already read 10 pages of a novel. She reads 25 pages per day.

Independent Variable (x): # of Days

Dependent Variable (y): Total Pages Read

x	y
0	10
1	35
2	60
3	85
4	110
5	135

>+25  
>+25  
>+25  
>+25  
>+25  
>+25

Rate of Change: 25

Initial Value: 10

Equation:  $y = 25x + 10$

