

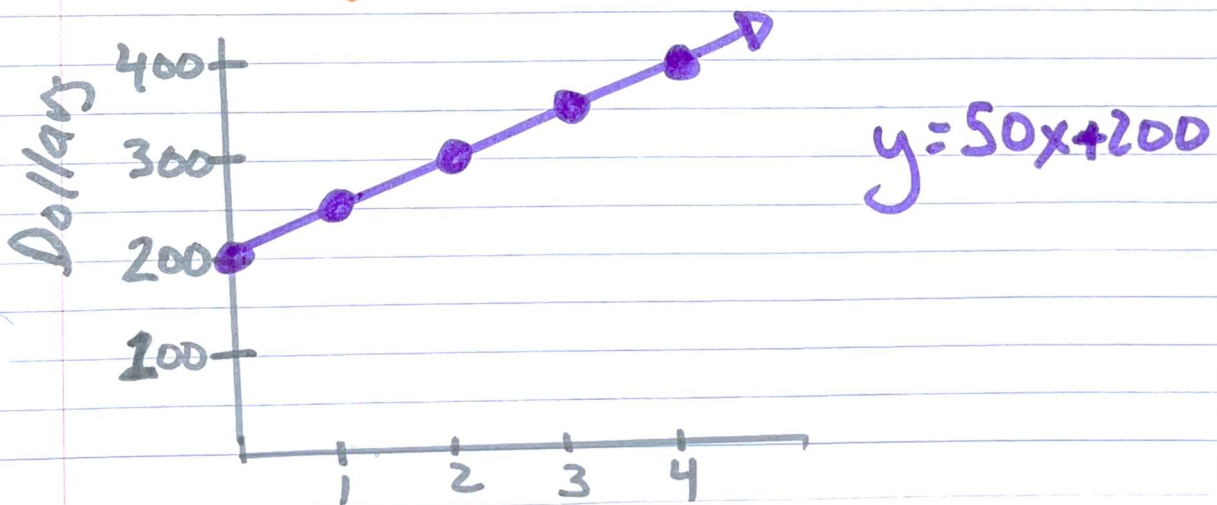
## Lesson 5-7 → Non-Linear Function Stories

As we have seen, some stories can be modeled by a linear function

For example: You open a bank account with \$200 and save \$50 every week

Weeks (x)	0	1	2	3
Dollars (y)	200	250	300	350

Change in y  
Change in x is uniform  $\frac{50}{1} = 50$

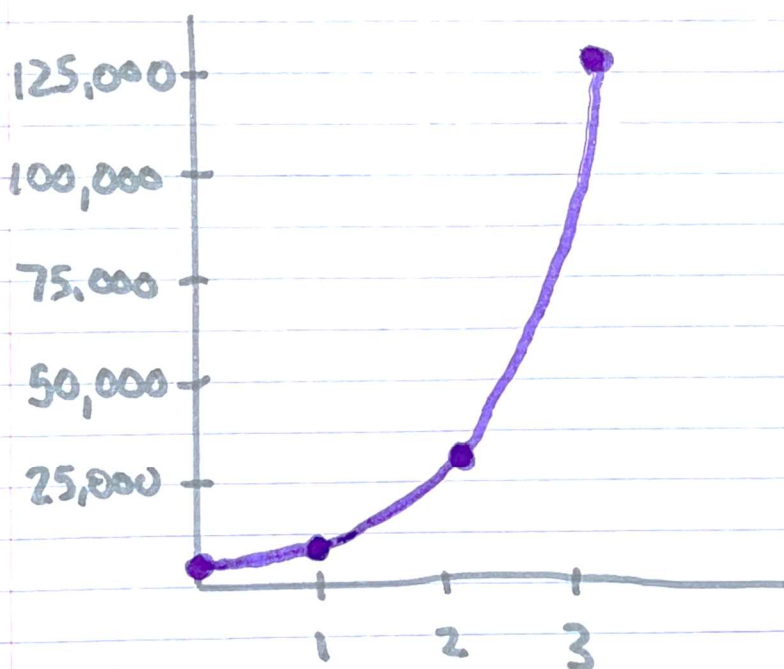


Other stories are better modeled by NON-linear functions

For example: a social media post gets the following number of views

Days (x)	0	1	2	3
Views (y)	2,000	8,000	32,000	128,000

change in Y is NOT uniform  
change in X



There is NO  
 $y = mx + b$   
model for  
this curved  
graph