Overneur

Calculus mainly the study of functions
- rates of change (derivatives)
- aveas under graphs (integral)

st ta

rate of change descited by

how much change in y
per change in x

 $\frac{\Delta y}{\Delta x} = \frac{rise}{run} = slope.$

1. f'(x)

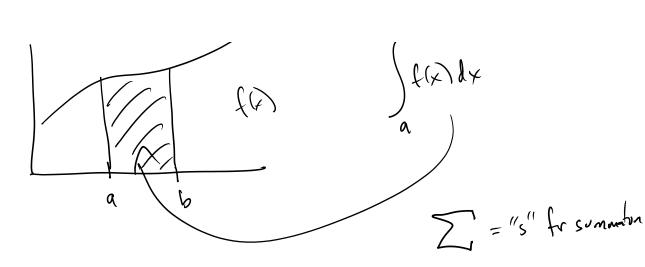
In practive:

act lets of equs involve

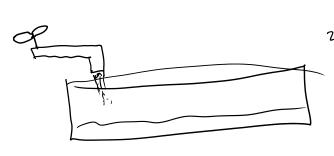
vales of drange
"Differential Equations"

Areas under corn)

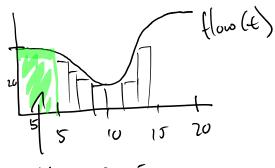
b (fx)dx



Fundamental theorem of calculus



20440



160 cc = 20-5

Limits: nutsépolts.

dy dx