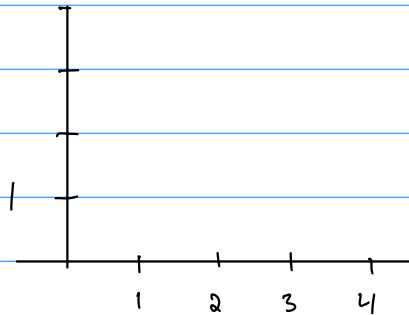


## Matlab Methods for Integration

①  $\text{trapz}(x,y)$   $\rightarrow$  compute for data pairs.

②  $\text{cumtrapz}(x,y)$   $\rightarrow$  return the integration for data pairs, returning the integral value at each point.

ex.)  $f(x) = \text{for } x \in \{ \quad \}$



$\text{cumtrapz}( \quad , \quad )$  returns  
[   ,   ,   ,   ]  
↑   ↑   ↑   ↘

③  $\text{integral}( \quad , \quad )$   $\rightarrow$  numerically integrates a function using to hit a