The average rate of change: 

***Sandwich Theorem***  

Let  be defined on an open interval about , except possibly at  itself. We say that **the limit of  as *x* approaches is the number *L***, and write: 

If, for every number , there exists a corresponding number  such that for all *x*,



***Continuity*:**  

***Horizontal Asymptote*:** 

*n* < *m* ⇒ *y* = 0

*n* = *m* ⇒

*n* > *m* ⇒ No horizontal asymptote

***Vertical Asymptote* - *Think Domain***