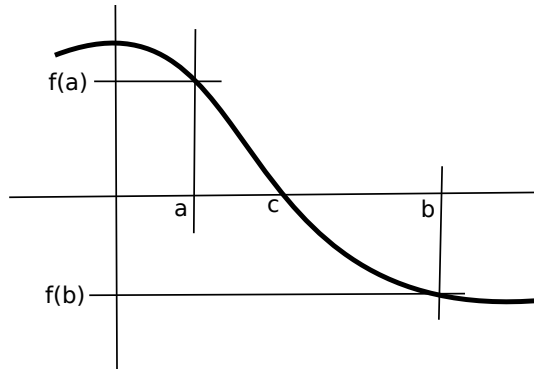


TEOREMAS

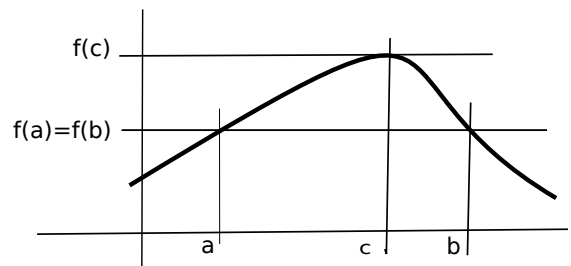
Teorema de Bolzano



$$\left. \begin{array}{l} f(x) \text{ continua en } [a, b] \\ f(a) \cdot f(b) < 0 \end{array} \right\} \Rightarrow \exists c \in (a, b) / \{f(c) = 0\}$$

Teorema de Rolle

$$\left. \begin{array}{l} f(x) \text{ continua en } [a, b] \\ f(x) \text{ derivable en } (a, b) \\ f(a) = f(b) \end{array} \right\} \Rightarrow \exists c \in (a, b) / \{f'(c) = 0\}$$



Teorema del valor medio

$$\left. \begin{array}{l} f(x) \text{ continua en } [a, b] \\ f(x) \text{ derivable en } (a, b) \end{array} \right\} \Rightarrow \exists c \in (a, b) / \left\{ f'(c) = \frac{f(b) - f(a)}{b - a} \right\}$$

