Extreme Value Thm:

If f(x) is continuous on [a,b],

then f(x) must have both an absolute min and absolute max on the interval [a,b].

Formulas and Theorems

Extreme-Value Theorem

If f is continuous on a closed interval [a,b],

then f(x) has both a maximum and minimum on [a,b].

Extreme-Value Theorem

If f is continuous on a closed interval [a,b], then f(x) has both a maximum and minimum on [a,b].