



finding the absolute extrema

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Suppose that f(x) is continuous on the closed interval [a, b]. Then f(x) attains its absolute maximum and minimum values on [a, b] at either:

- a critical point
- one of the end points

How to find the absolute extrema of a continuous function f on a finite closed interval:

- 1. Evaluate f at all critical points and endpoints
- 2. Take the largest and smallest of these values

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