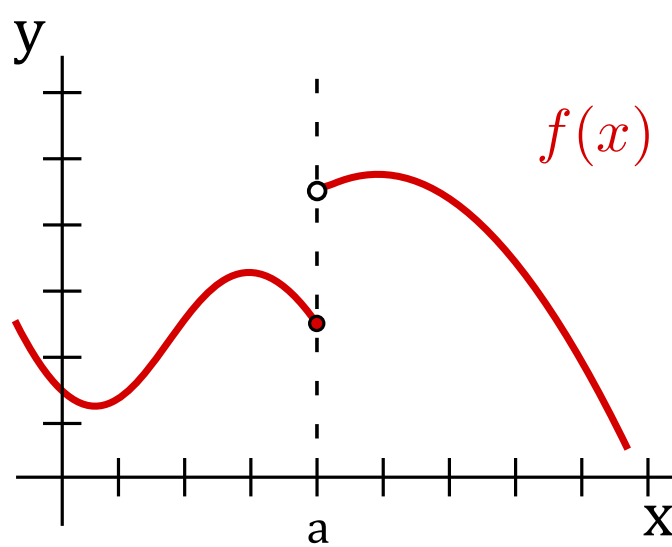


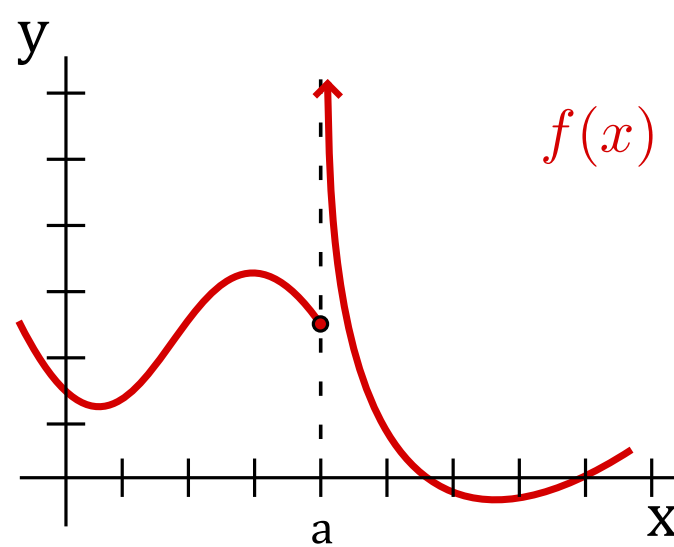
$$\lim_{x \rightarrow a} f(x) \neq f(a)$$

**REMOVABLE DISCONTINUITY**



$$\lim_{x \rightarrow a^+} f(x) \neq \lim_{x \rightarrow a^-} f(x)$$

**JUMP DISCONTINUITY**



$$\text{Either } \lim_{x \rightarrow a^+} f(x) = \pm \infty \text{ or } \lim_{x \rightarrow a^-} f(x) = \pm \infty$$

**INFINITE DISCONTINUITY**