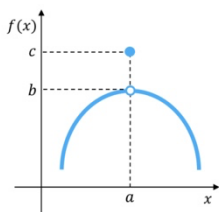
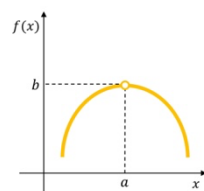


TIPOS DE DISCONTINUIDADES

- Discontinuidad evitable

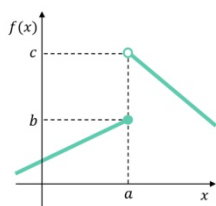


$$\rightarrow \lim_{x \rightarrow a} f(x) \neq f(a)$$



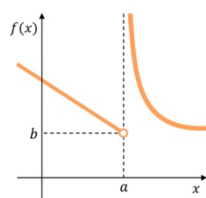
$$\rightarrow \exists \lim_{x \rightarrow a} f(x) \text{ pero } \nexists f(a)$$

- Discontinuidad inevitable de salto finito

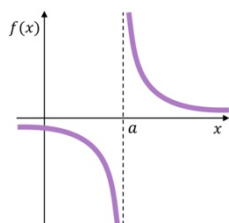


$$\rightarrow \lim_{x \rightarrow a^-} f(x) \neq \lim_{x \rightarrow a^+} f(x)$$

- Discontinuidad inevitable de salto infinito



$$\rightarrow \lim_{x \rightarrow a^-} f(x) = b ; \lim_{x \rightarrow a^+} f(x) = \infty$$



$$\rightarrow \lim_{x \rightarrow a^-} f(x) = -\infty ; \lim_{x \rightarrow a^+} f(x) = \infty$$