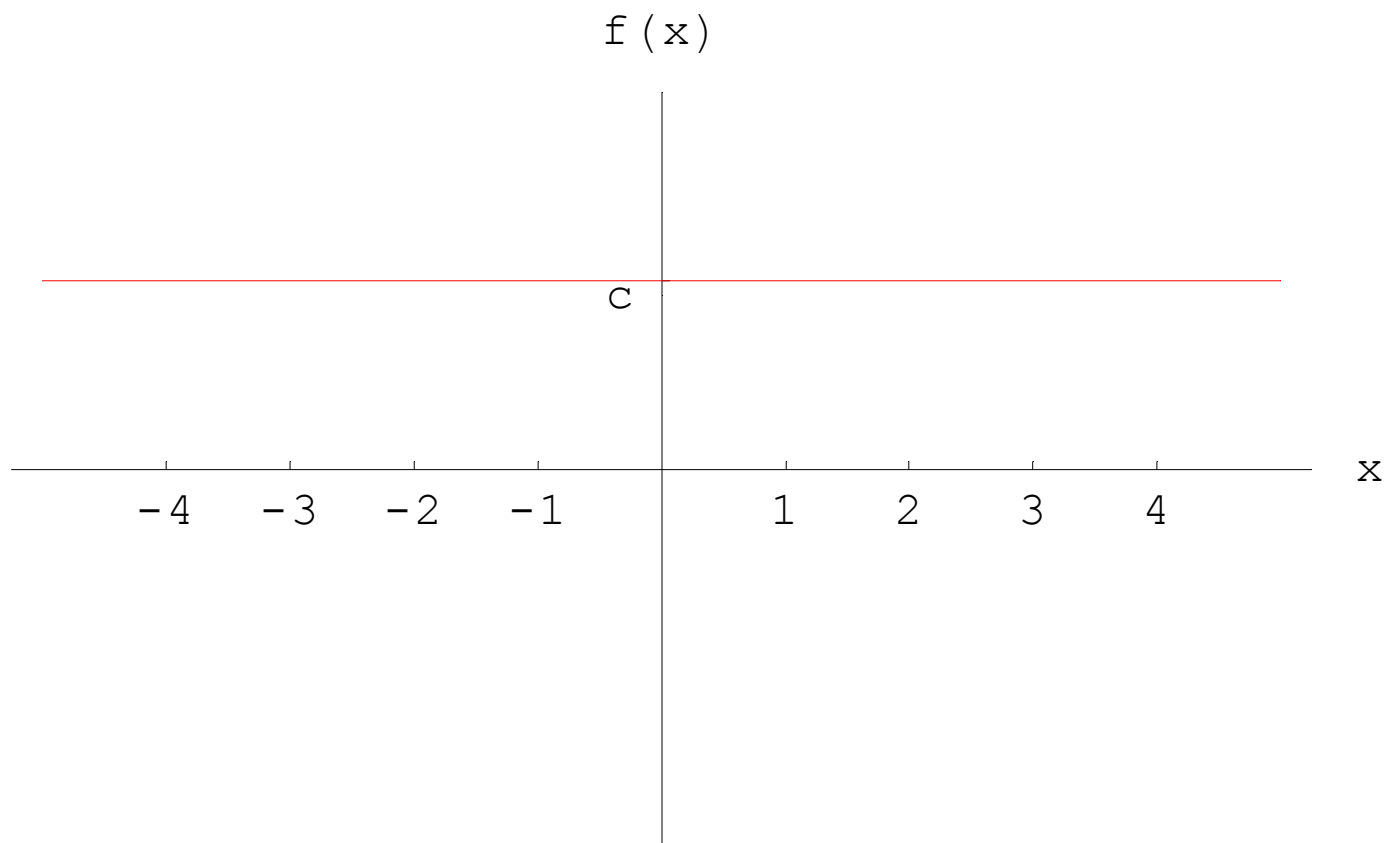


Pregled osnovnih elementarnih funkcija

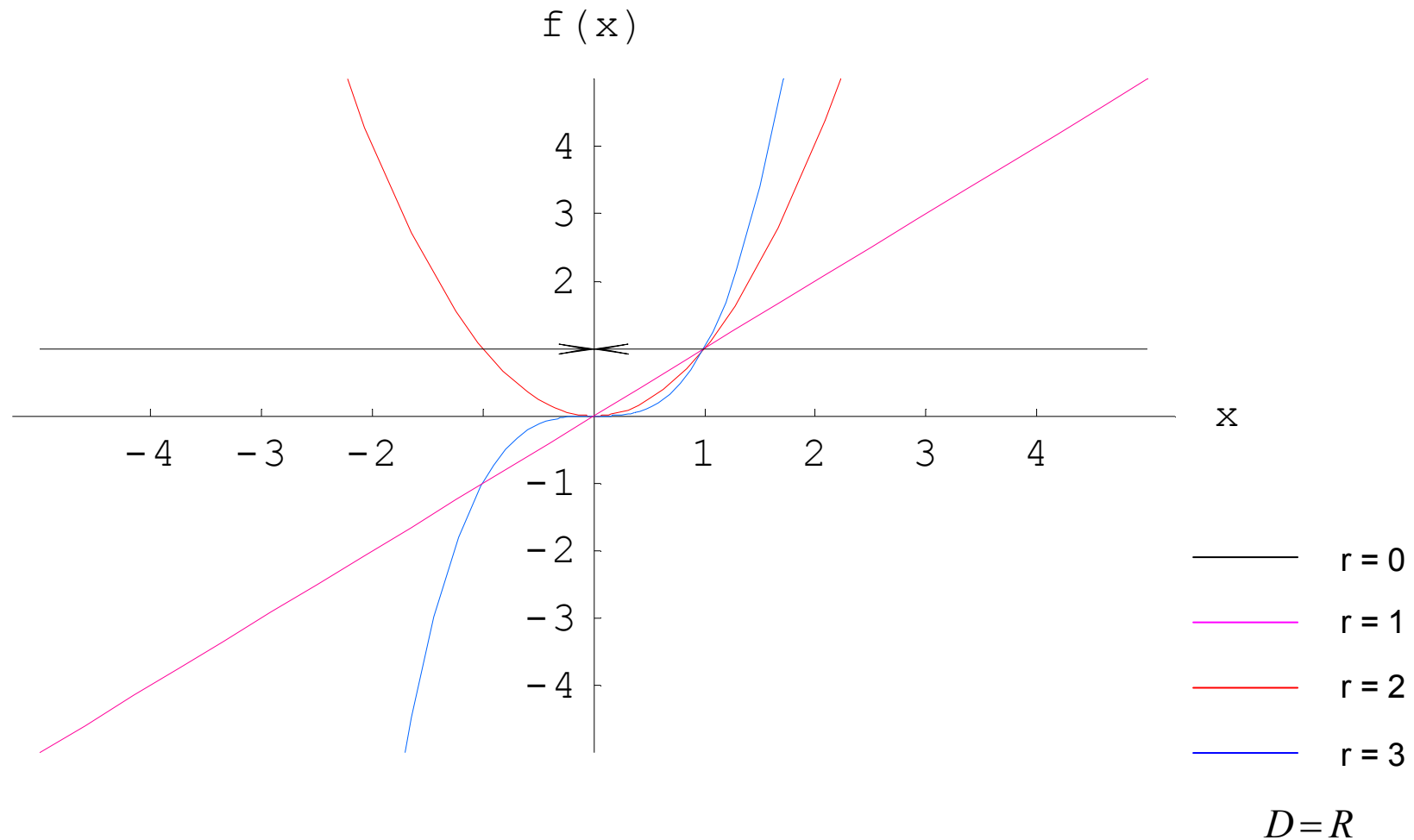
Konstantna funkcija

$$f : \mathbb{R} \rightarrow \{c\}, \quad f(x) = c$$



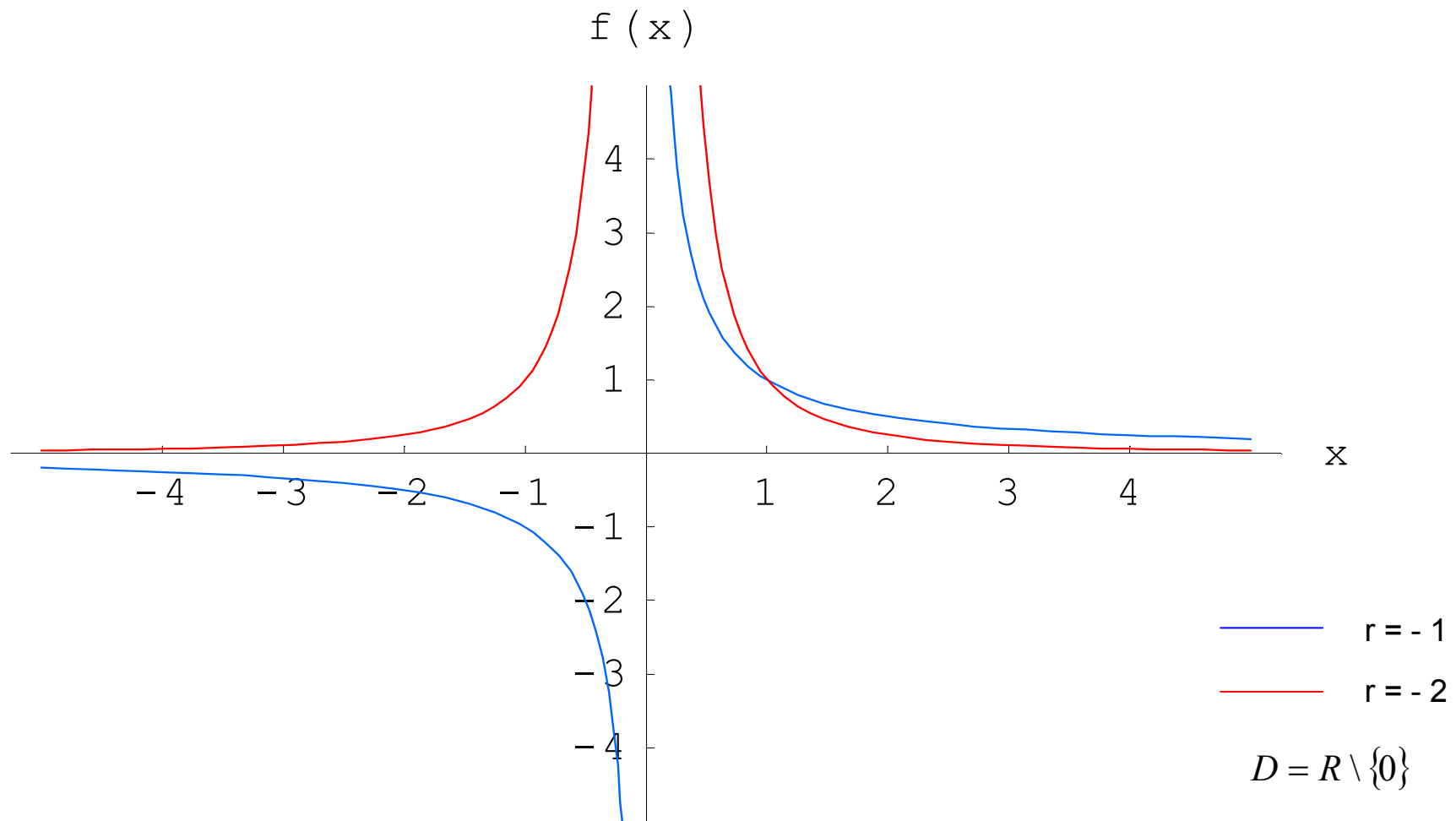
Potencija

$$f: D \rightarrow R, \quad D \subseteq R, \quad f(x) = x^r \quad (r \in R)$$



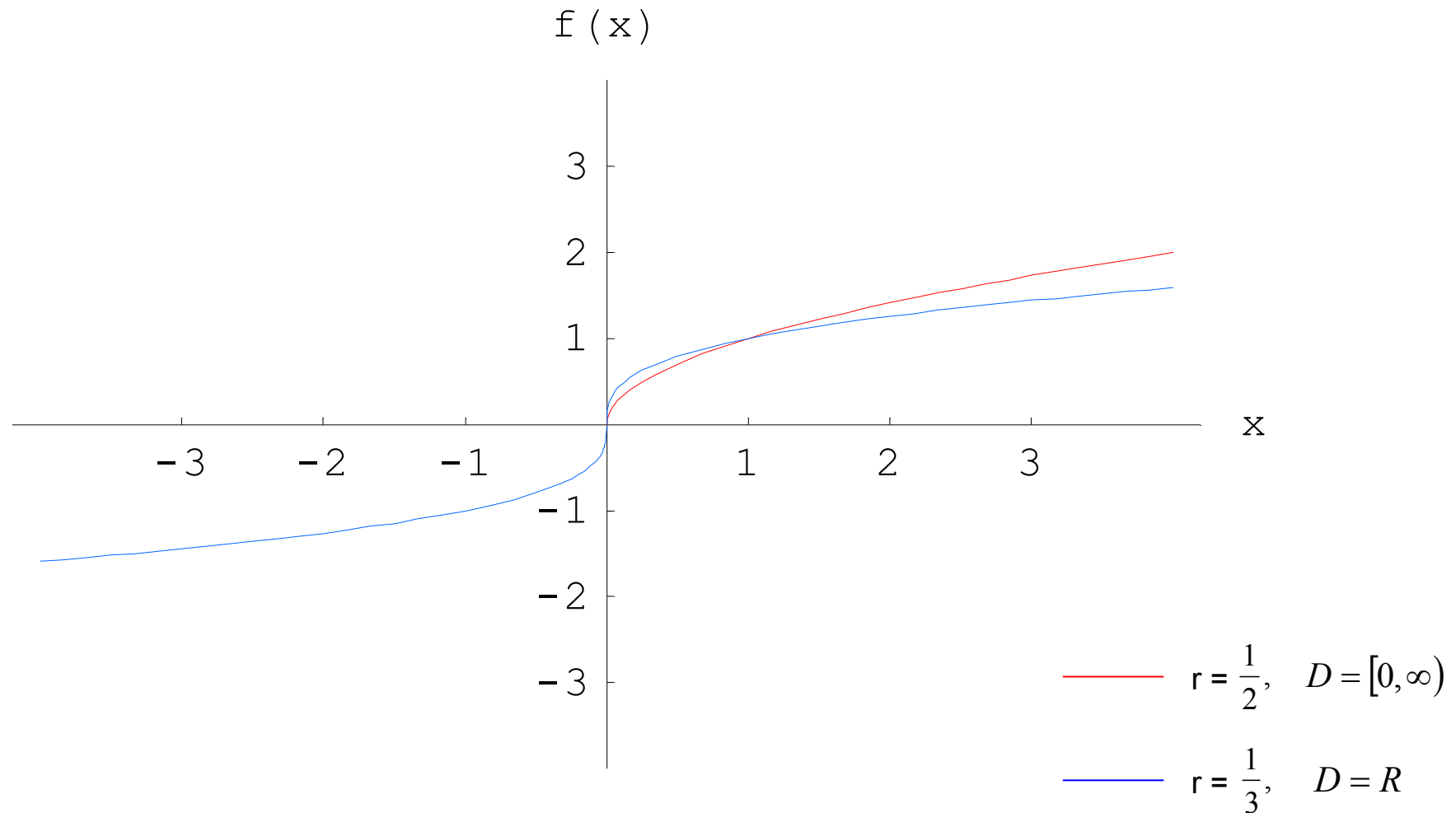
Potencija

$$f: D \rightarrow R, \quad D \subseteq R, \quad f(x) = x^r \quad (r \in R)$$



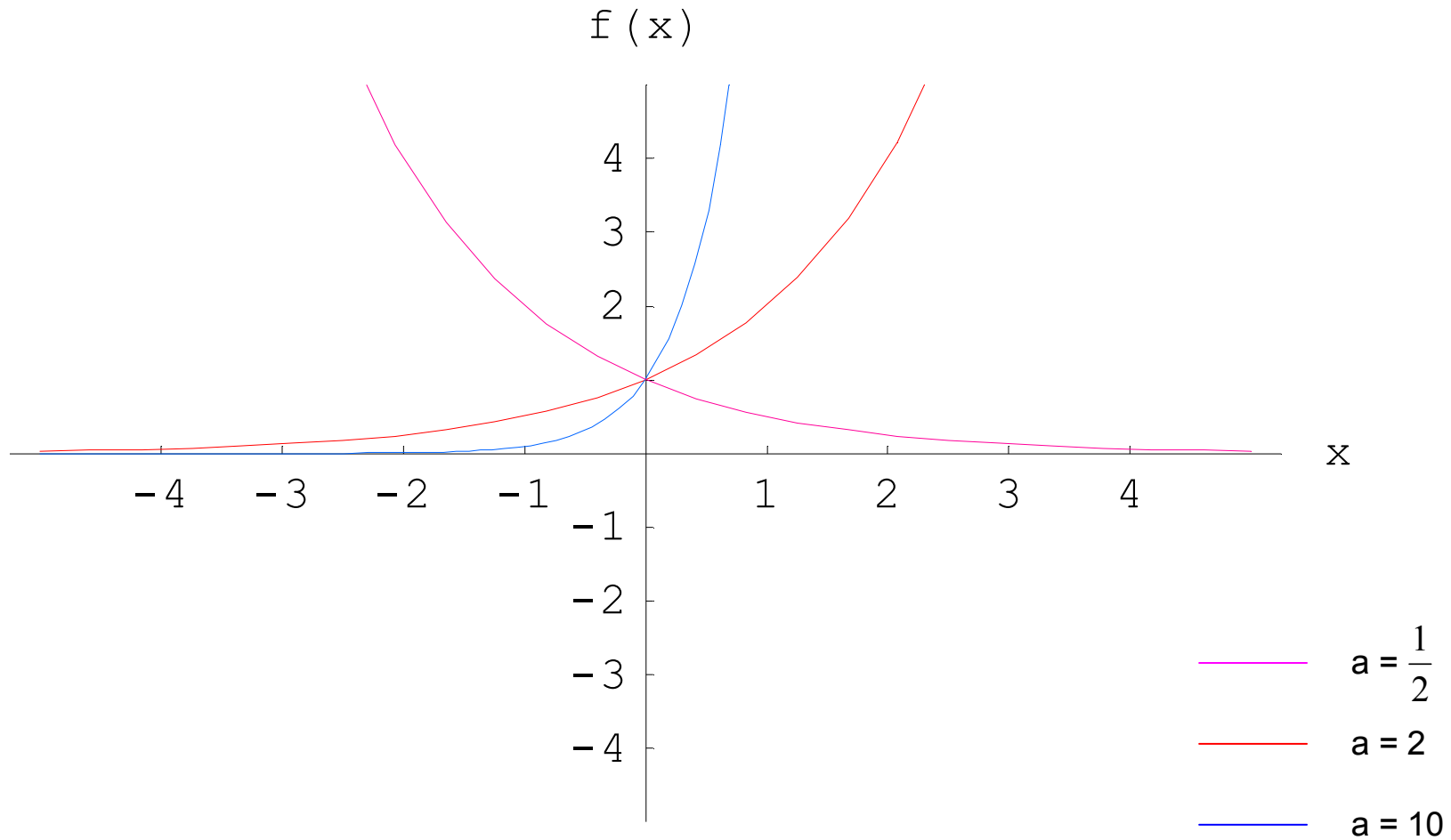
Potencija

$$f : D \rightarrow R, \quad D \subseteq R, \quad f(x) = x^r \quad (r \in R)$$



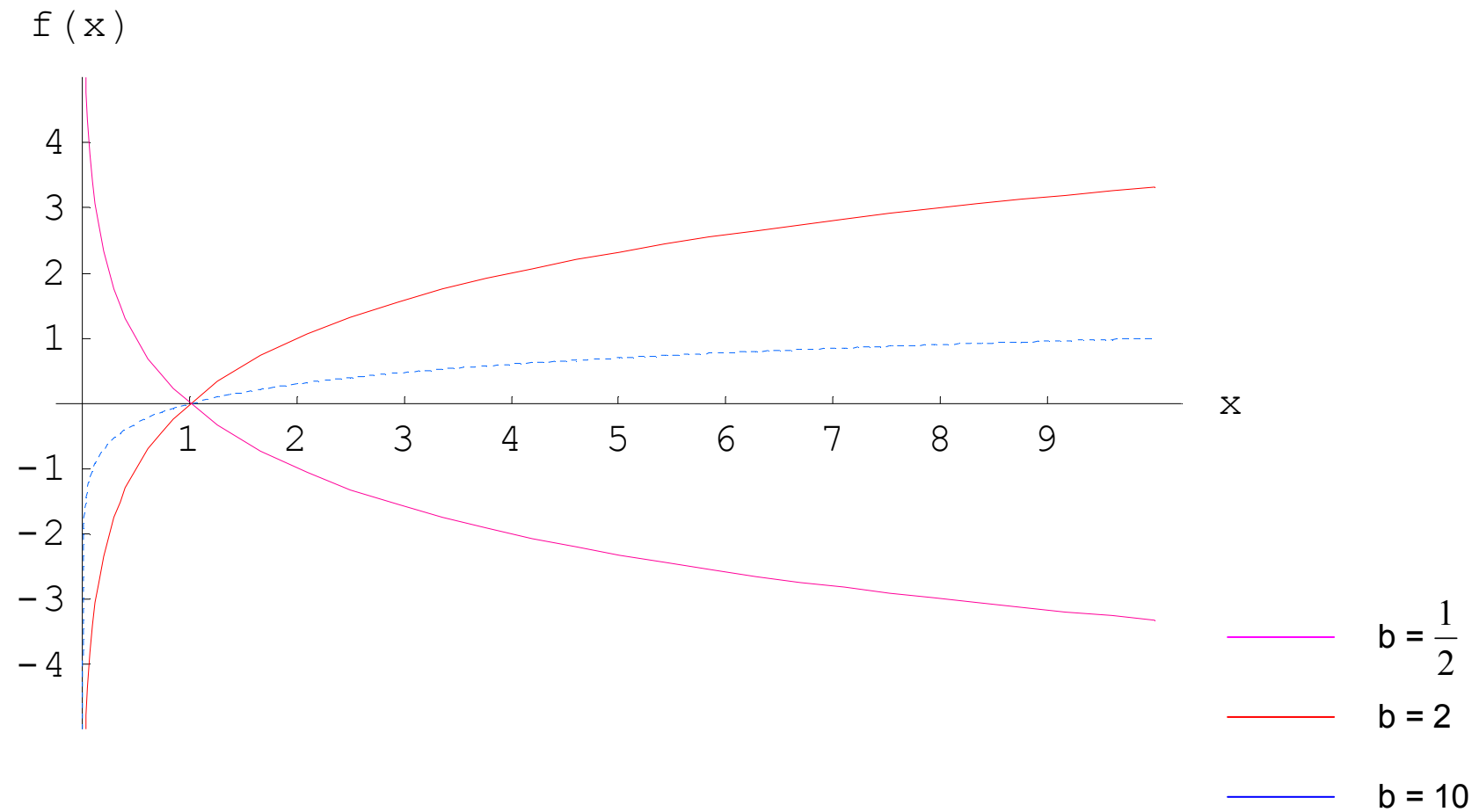
Eksponencijalna funkcija

$$f: \mathbb{R} \rightarrow (0, \infty), \quad f(x) = a^x \quad (a \in (0, \infty) \setminus \{1\})$$

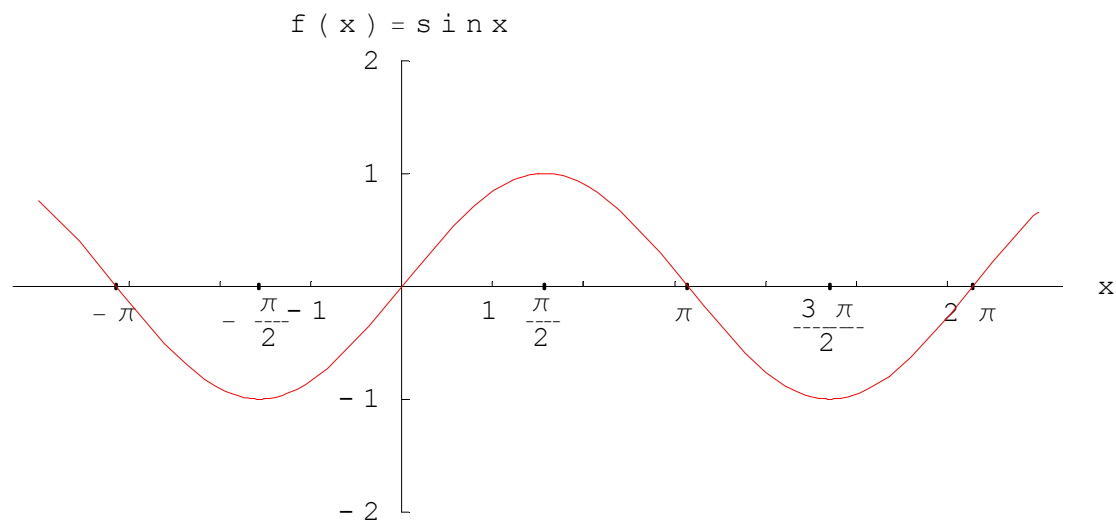


Logaritamska funkcija

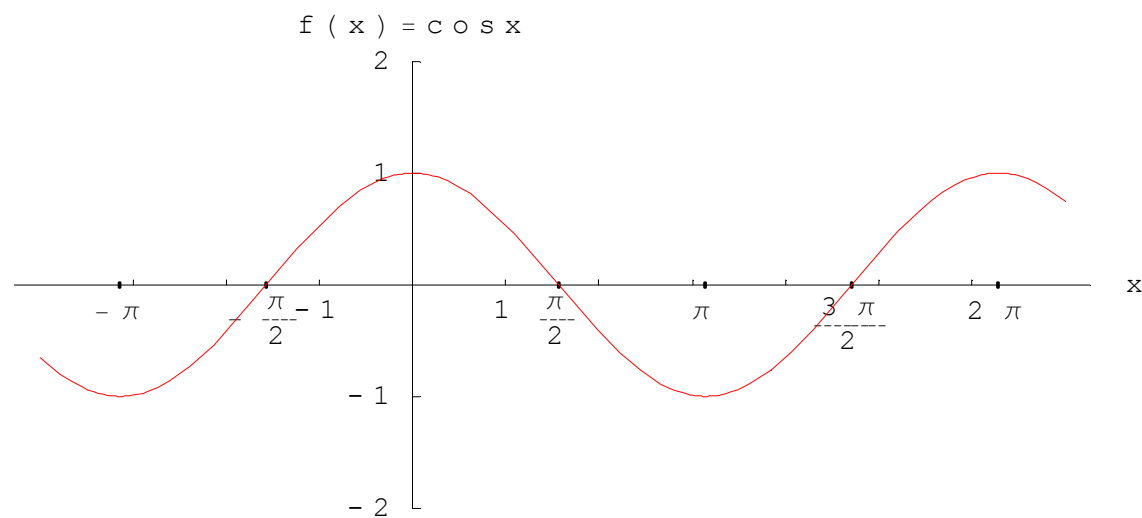
$$f : (0, \infty) \rightarrow \mathbb{R}, \quad f(x) = \log_b x \quad (b \in (0, \infty) \setminus \{1\})$$



Trigonometrijske funkcije

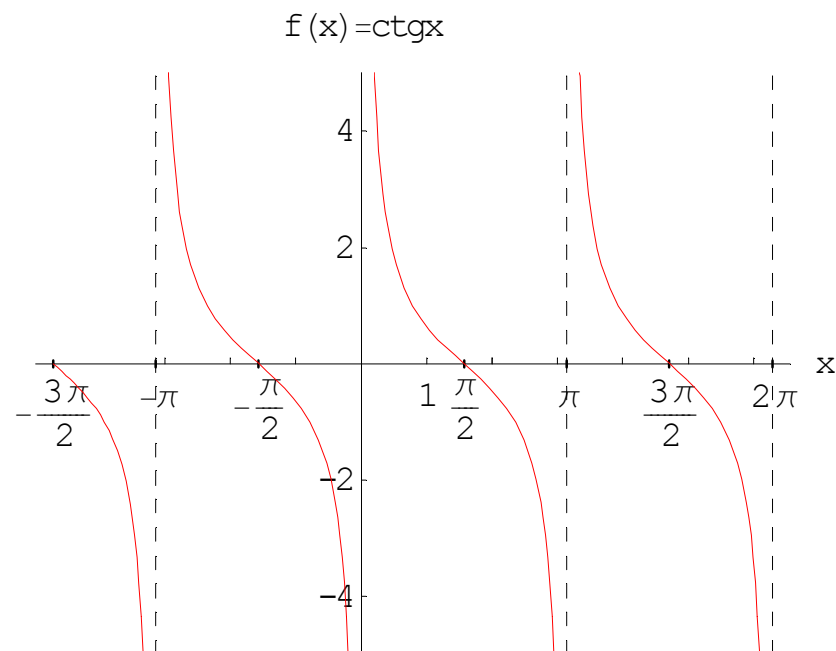
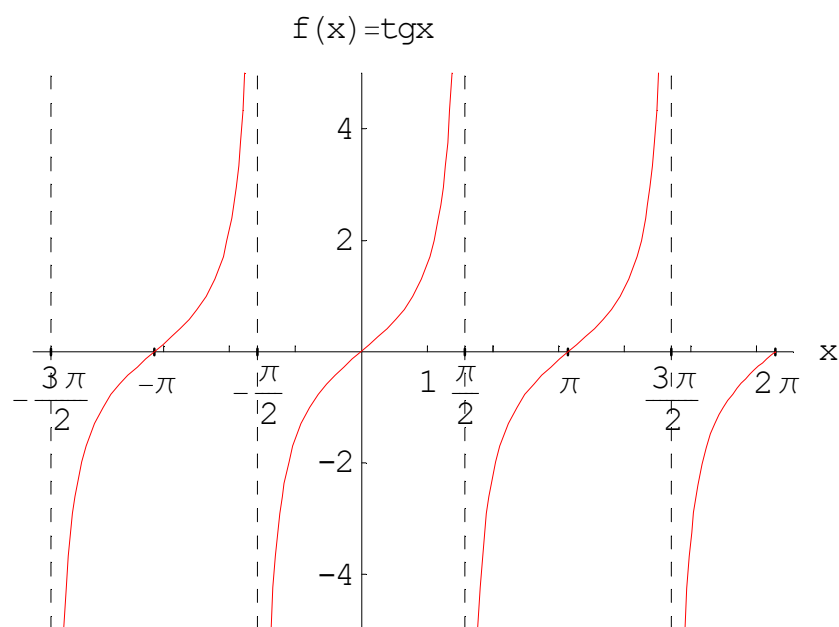


$$\sin : \mathbb{R} \rightarrow [-1, 1]$$



$$\cos : \mathbb{R} \rightarrow [-1, 1]$$

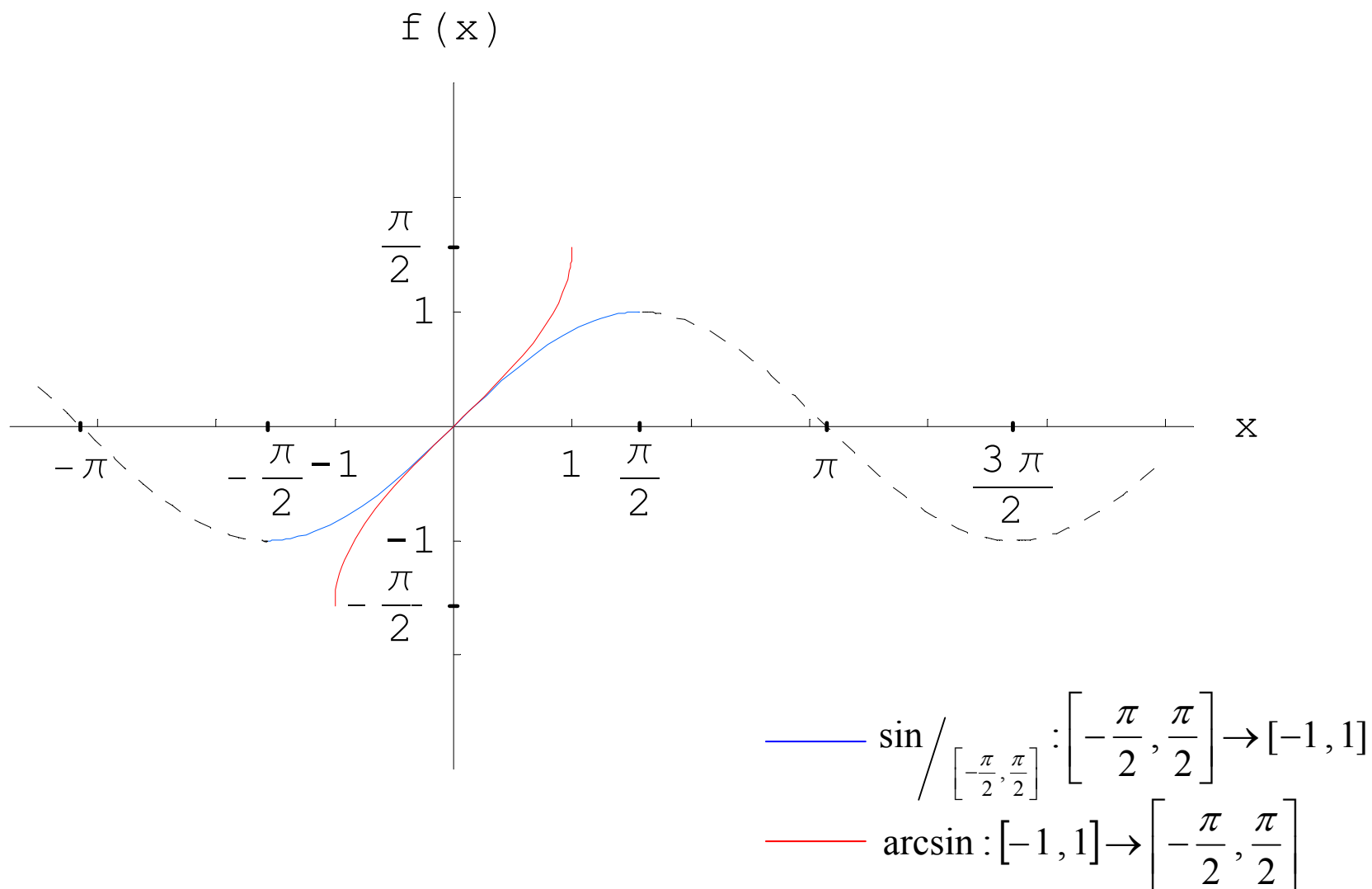
Trigonometrijske funkcije



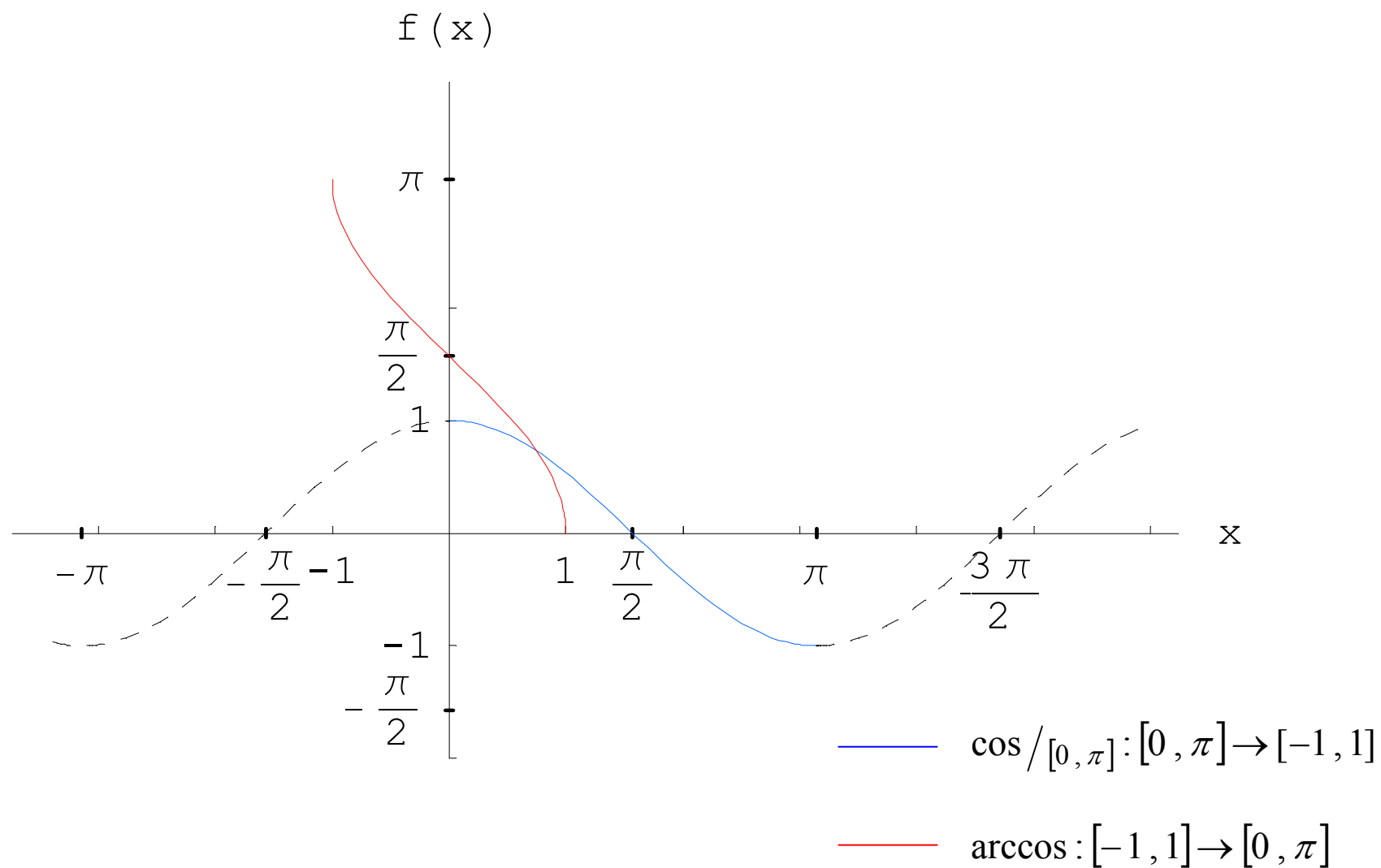
$$\operatorname{tg} : R \setminus \left\{ \frac{\pi}{2} + k\pi : k \in Z \right\} \rightarrow R$$

$$\operatorname{ctg} : R \setminus \{k\pi : k \in Z\} \rightarrow R$$

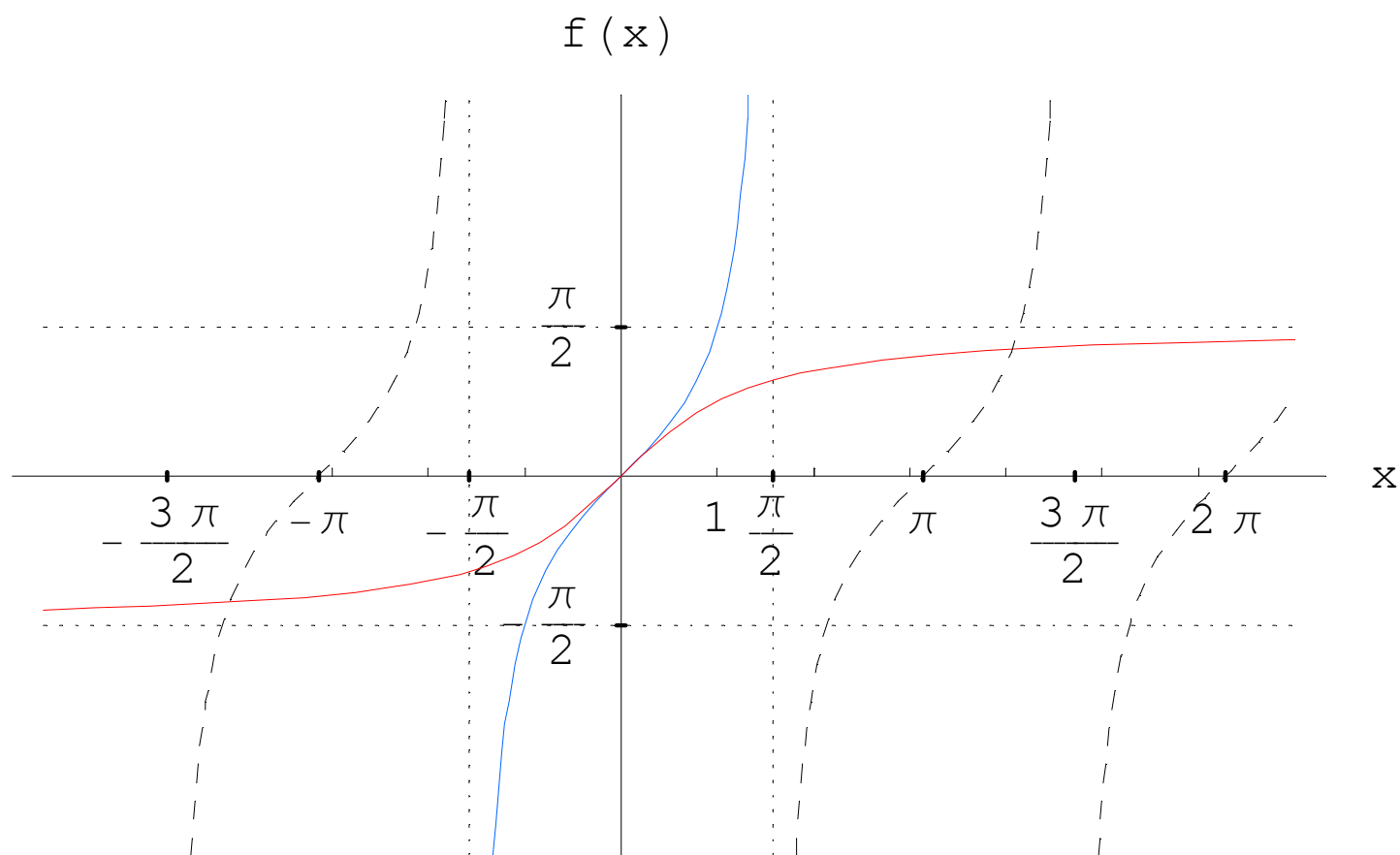
Arkus sinus



Arkus kosinus



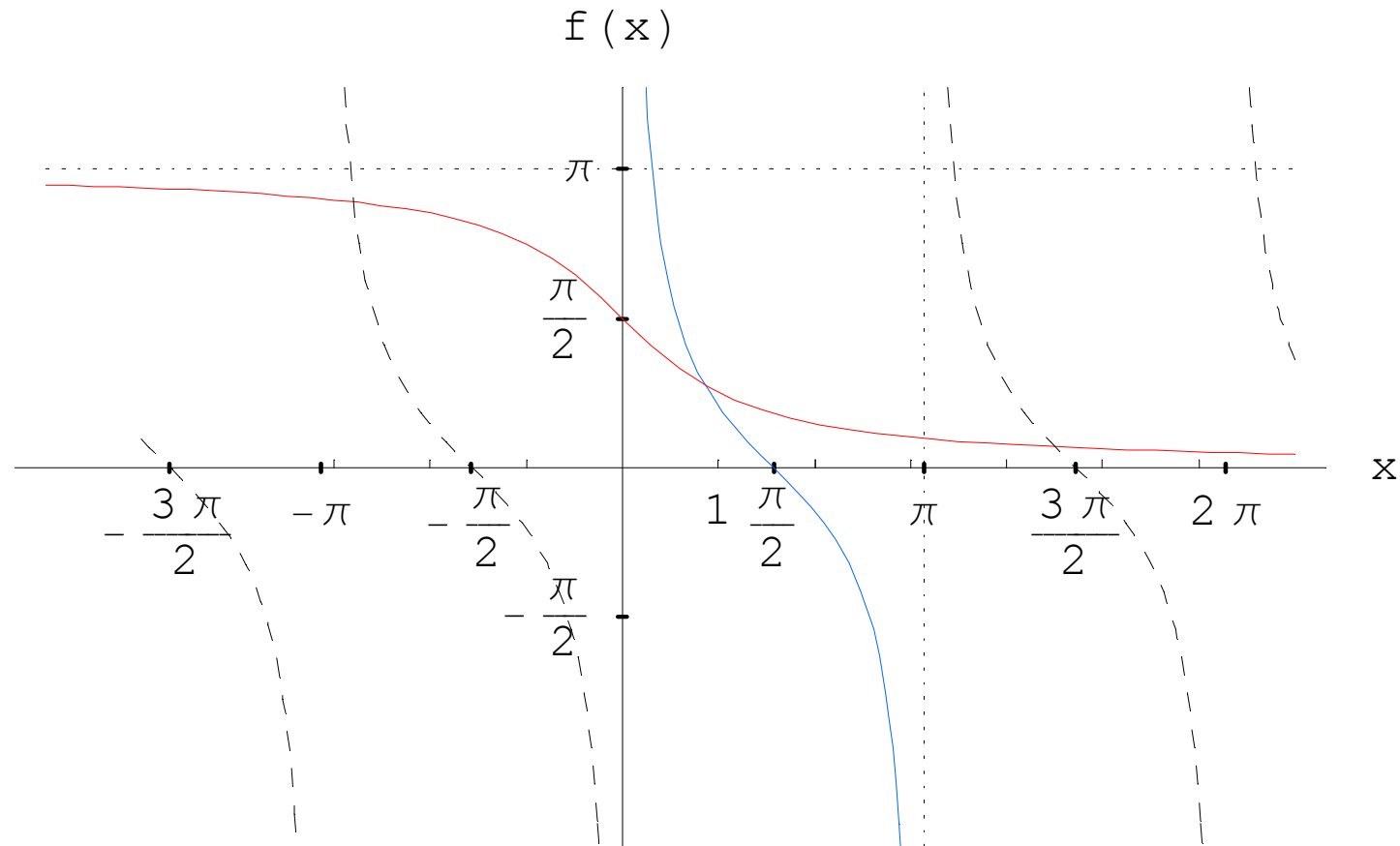
Arkus tangens



— $tg / \left(\left(-\frac{\pi}{2}, \frac{\pi}{2} \right) \right) : \left(-\frac{\pi}{2}, \frac{\pi}{2} \right) \rightarrow R$

— $arctg : R \rightarrow \left(-\frac{\pi}{2}, \frac{\pi}{2} \right)$

Arkus kotangens



— $\text{ctg} /_{(0, \pi)} : (0, \pi) \rightarrow \mathbb{R}$

— $\text{arccotg} : \mathbb{R} \rightarrow (0, \pi)$