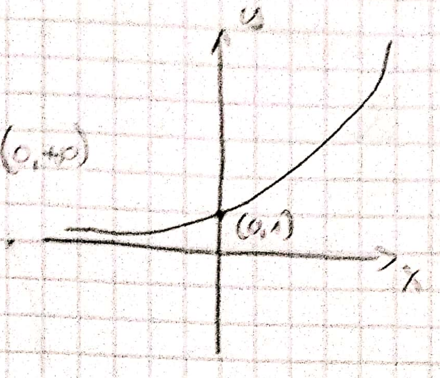
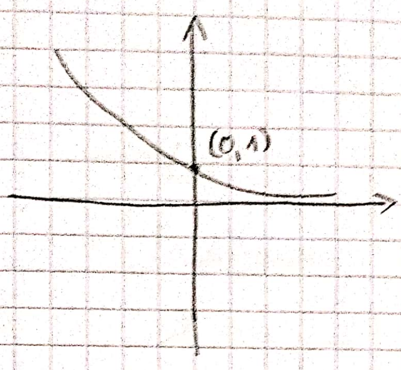
Експоненцијална функција:

e^x : домен: $\mathbb{R}$

кодомен: $x \in (0, +\infty)$



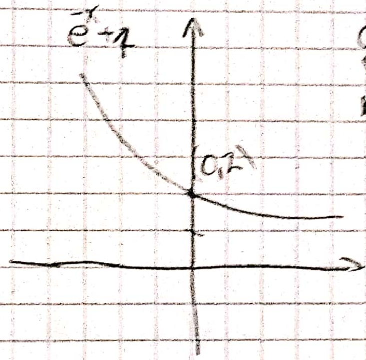
e^{-x}



домен: $\mathbb{R}$, кодомен $x \in (0, \infty)$

$e^{-x} + 1$

$e^{-x}+1$

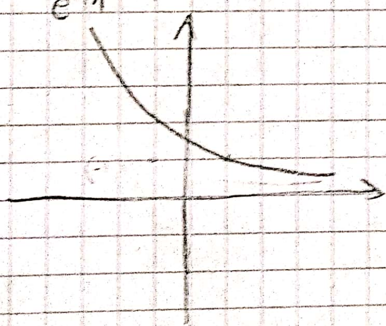


домен: $\mathbb{R}$

кодомен: $x \in (1, +\infty)$

e^{-x+1}

e^{-x+1}



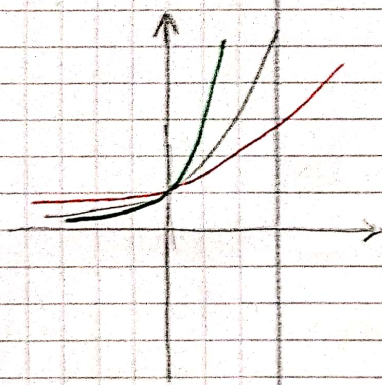
домен $\mathbb{R}$

кодомен $(0, \infty)$

e^x

$e^{\frac{x}{2}}$

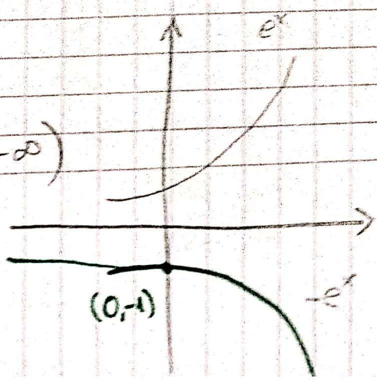
e^{2x}



$-e^x$

домен $\mathbb{R}$

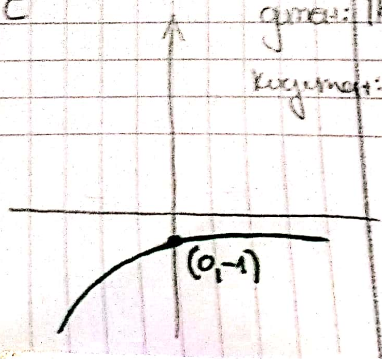
кодомен $(0, -\infty)$



$-e^{-x}$

домен: $\mathbb{R}$

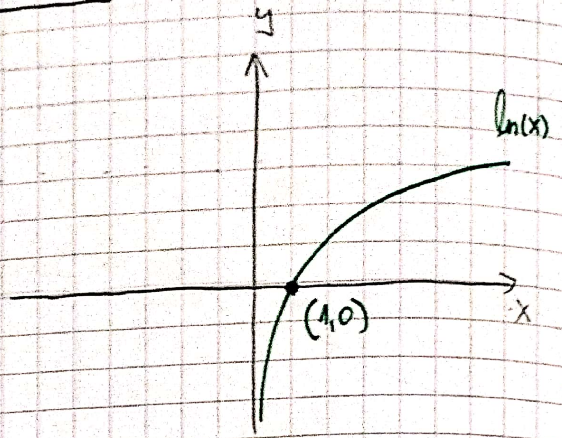
кодомен: $(-\infty, 0)$



Логаритамска функција ln

$\ln x = y$ домен: $(0, +\infty)$

кодомен: $\mathbb{R}$

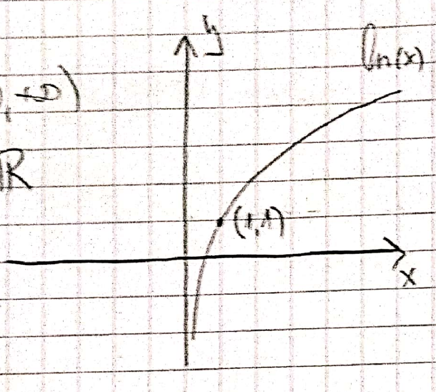


$f\,x + c$

$\ln x + 1$

домен: $(0, +\infty)$

кодомен: $\mathbb{R}$

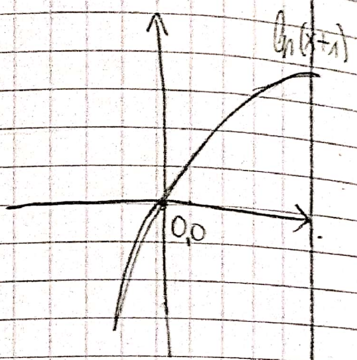


$f(x+c)$

$\ln(x+1)$

домен: $(-1, \infty)$

кодомен: $\mathbb{R}$

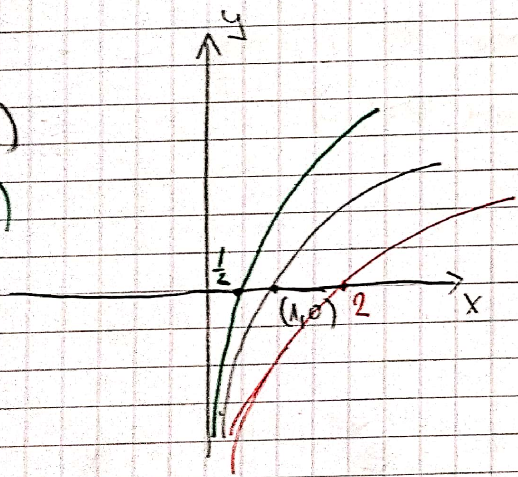


$f(nx)$

$\ln(x)$

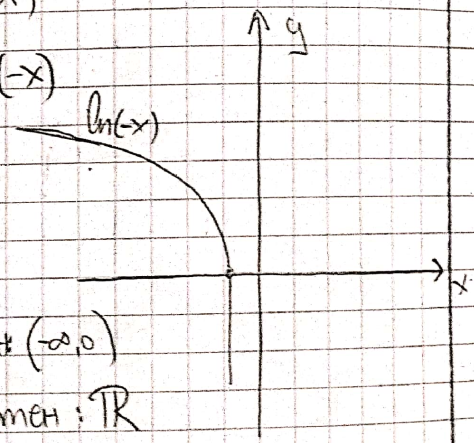
$\ln(2x)$

$\ln\left(\frac{x}{2}\right)$



$f(-x)$

$\ln(-x)$



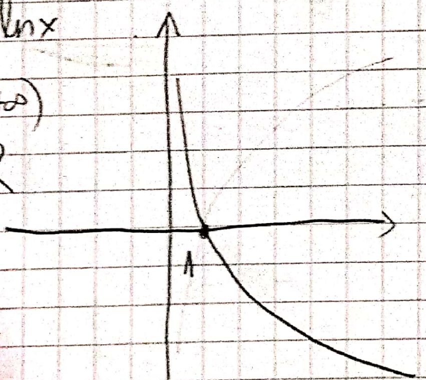
домен: $(-\infty, 0)$

кодомен: $\mathbb{R}$

$-f(x)$ $\quad -\ln x$

домен: $(0, +\infty)$

кодомен: $\mathbb{R}$

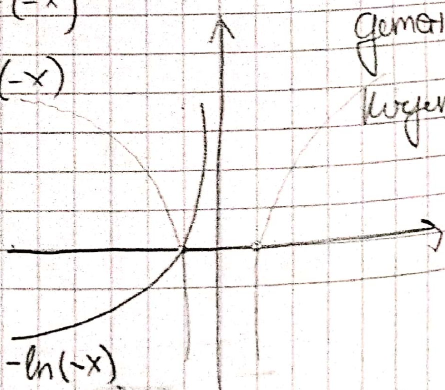


$-f(-x)$

$-\ln(-x)$

домен: $(-\infty, 0$

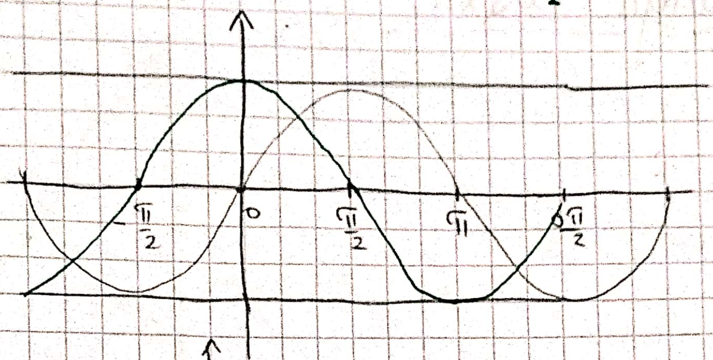
кодомен: $\mathbb{R}$



sin(x)

- домен: $\mathbb{R}$
- кодомен: $[-1, 1]$

$\sin(x + \frac{\pi}{2})$

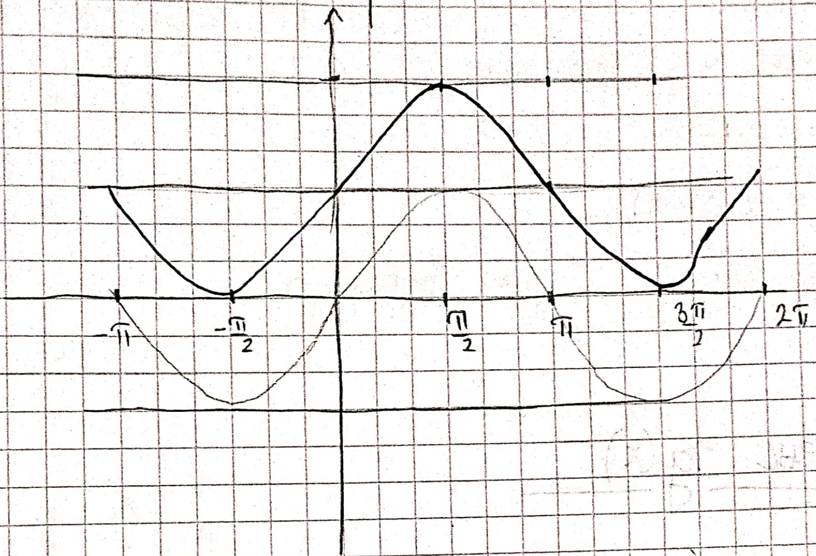


$f(x) + c$

$\sin x + 1$

домен: $\mathbb{R}$

кодомен: $[0, 2]$



$f(\ \ \ )$

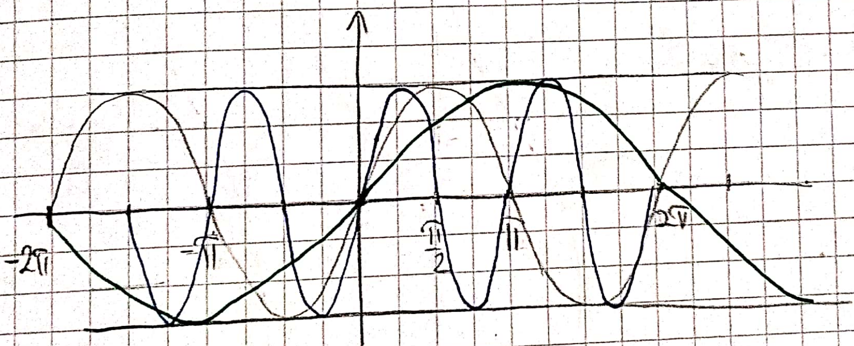
$\sin x$

$\sin \frac{x}{2}$

$\sin 2x$

домен - кодомен

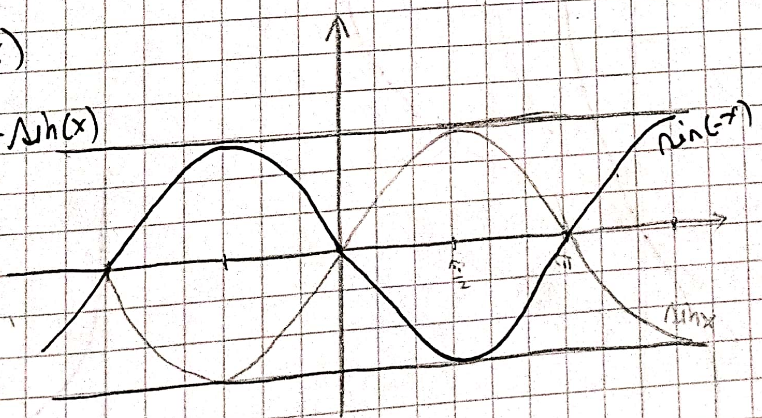
једнаки



$f(-x)$

$\sin(-x) = -\sin(x)$

$\sin(x) = -\sin(-x)$

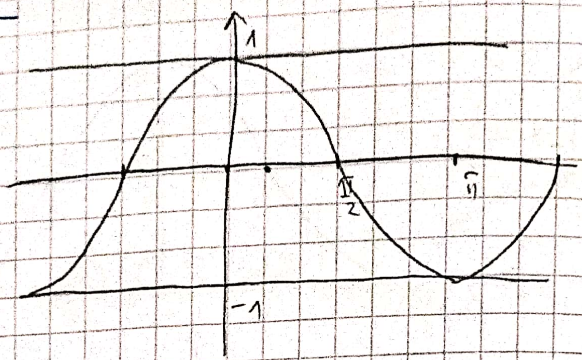


Косинус cos(x)

$y = \cos x$

домен: $\mathbb{R}$

кодомен: $[-1, 1]$



Слично као сину сем што је

$\cos x = \cos(-x)$

$-\cos(x) = -\cos(-x)$

јер је косинус парна функција.

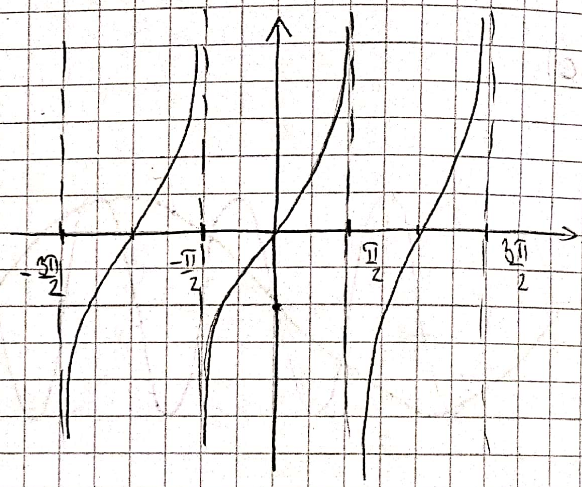
Тангенс tg(x)

$y = tg(x)$

домен: $\{x \in \mathbb{R} \setminus \frac{\pi}{2} + k\pi, k \in \mathbb{Z}$

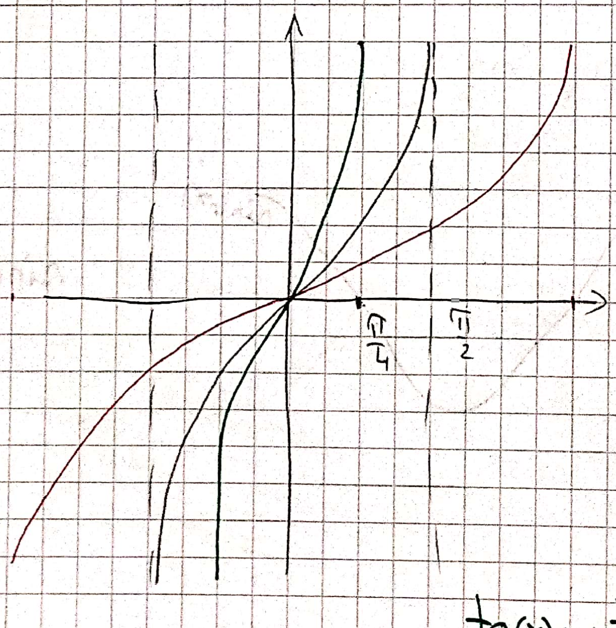
кодомен: $\mathbb{R}$

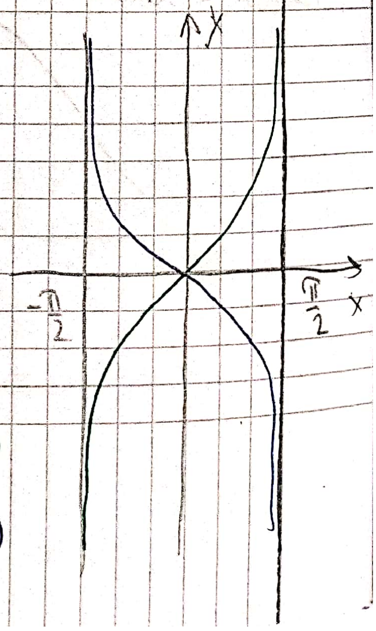
период: π



$tg(2x)$ -

$tg\left(\frac{x}{2}\right)$ -





$tg(x) = -tg(-x)$

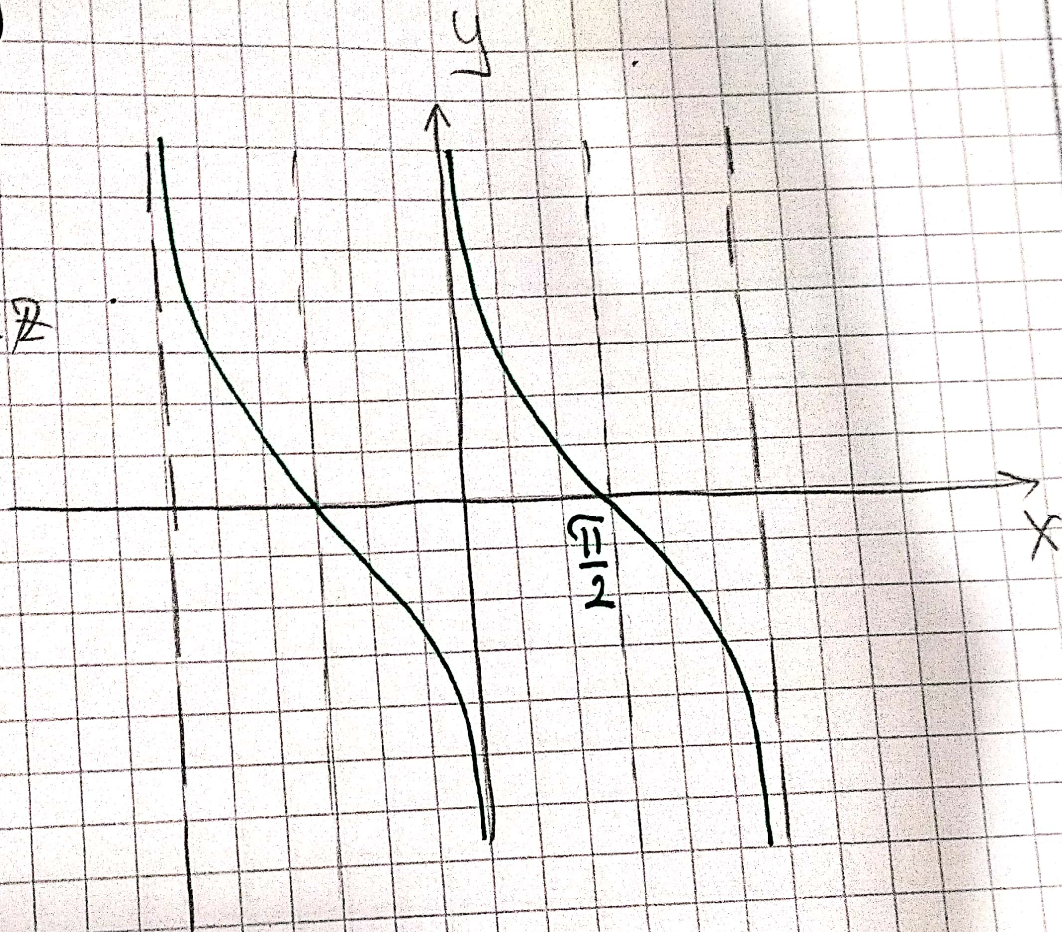
$-tg(x) = tg(-x)$

<u>Котангенс ctg(x)</u>

$y = ctg(x)$

домен: $\forall x \in \mathbb{R} \setminus k\pi,\ k \in \mathbb{Z}$

кодомен: $\mathbb{R}$



Слично као код тангенса.