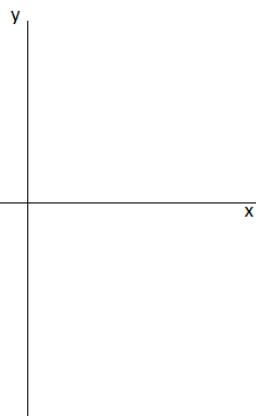
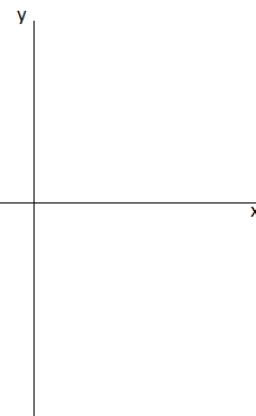


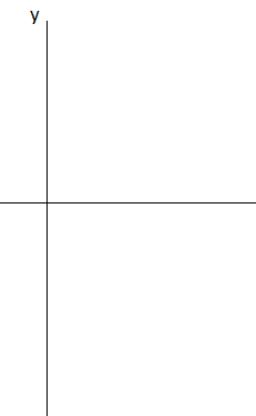
$$y = -1 + x \quad x < -1; 5$$



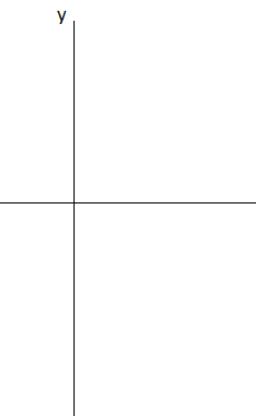
$$y = |x - 1|$$



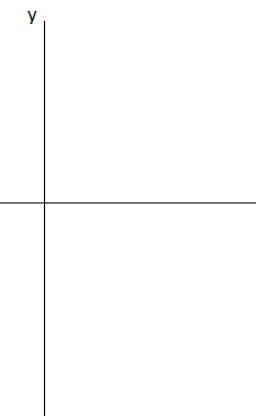
$$y = -(x - 1)^2$$



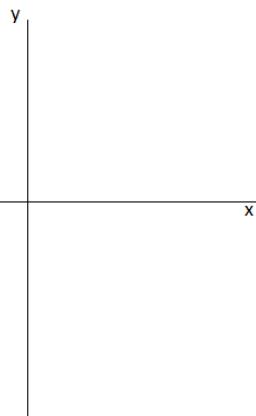
$$y = \frac{1}{x + 2}$$



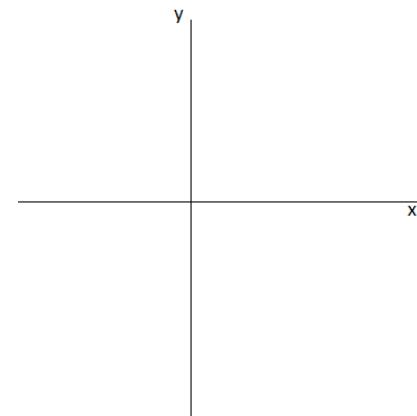
$$y = e^{x+2} + 1$$



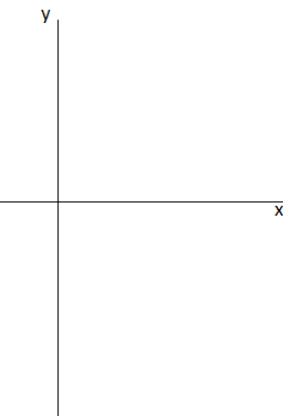
$$y = 2 - \ln(x + 1)$$



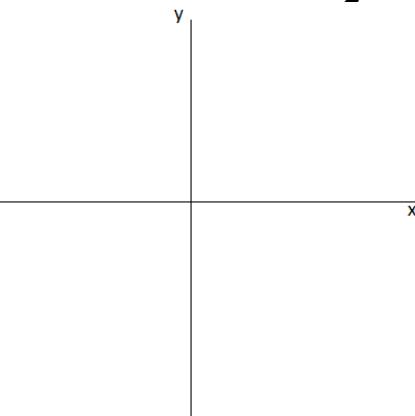
$$y = 1 - \sin x$$



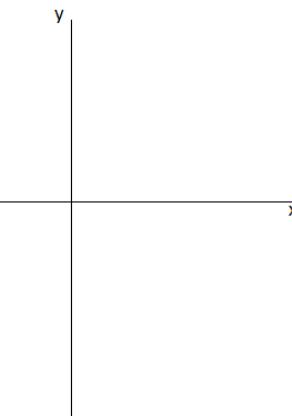
$$y = -|\cot g(x)|$$



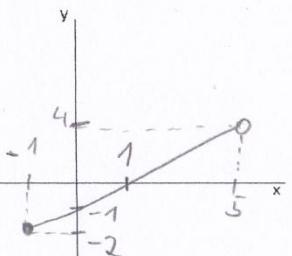
$$y = \operatorname{arc cot} g(x) - \frac{\pi}{2}$$



$$y = \frac{\pi}{2} - \arccos(x + 1)$$

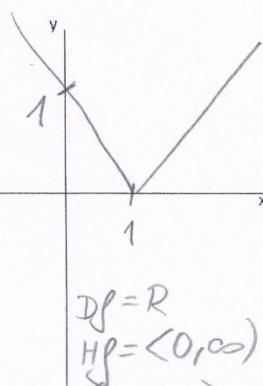


$$y = -1 + x \quad Df = (-1, 5) \quad Hf = (-2, 4)$$



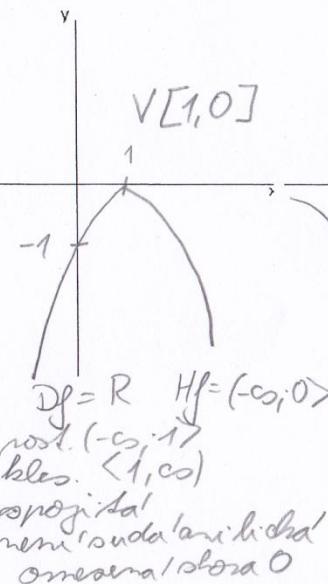
$Df = (-1, 5)$ $Hf = (-2, 4)$
 rost., proj.
 onešena' sdola -2
 shora 4
 neni' suda' ani licha'

$$y = |x - 1|$$



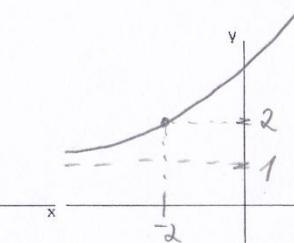
$Df = R$
 $Hf = [0, \infty)$
 bleš. $(-\infty, 1]$
 rost. $[1, \infty)$
 onešena' sdola 0
 neni' suda' ani licha'
 proj. ta'

$$y = -(x - 1)^2$$



$V[1, 0]$
 $Df = R$
 $Hf = (-\infty, 0]$
 rost. $(-\infty, 1]$
 bleš. $[1, \infty)$
 proj. ta'
 neni' suda' ani licha'
 onešena' shora 0

$$y = \frac{1}{x+2}$$

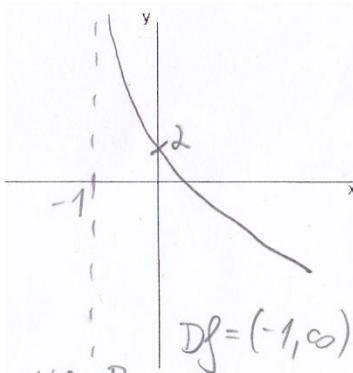


$Df = R \setminus \{-2\}$
 $Hf = R \setminus \{0\}$
 men' proj.
 neni' suda' ani licha'
 men' oneš.
 bleš. $(-\infty, -2)$
 bleš. $(-2, \infty)$

$$y = e^{x+2} + 1$$

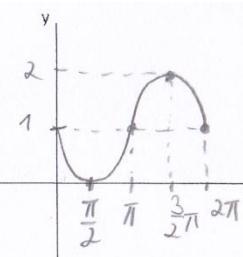
$Df = R$ $Hf = (1, \infty)$
 rost., proj.
 oneš. sdola 1
 neni' suda' ani licha'

$$y = 2 - \ln(x+1)$$



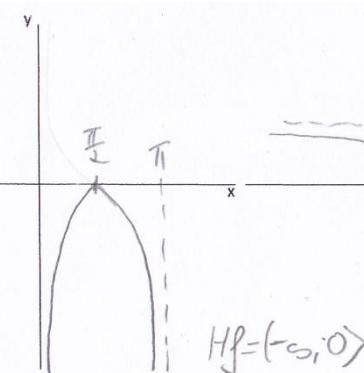
$Hf = R$
 proj. ta', bleš.
 men' oneš.
 neni' suda' ani licha'

$$y = 1 - \sin x$$



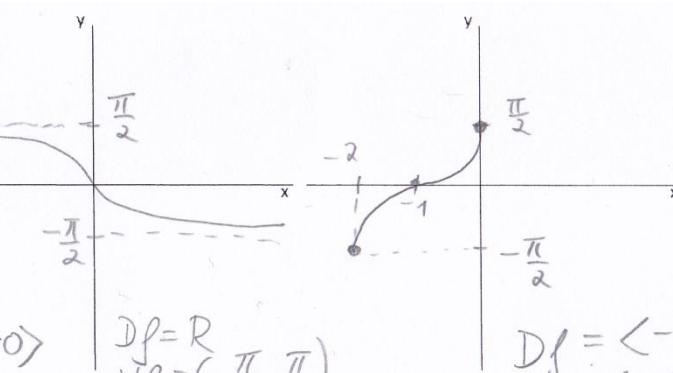
$Df = R$
 $Hf = [0, 2]$
 neni' suda' ani licha'
 proj. ta'
 onešena' sdola 0
 shora 2

$$y = -|\cot g(x)|$$



$Df = R \setminus \{k\pi\} \text{ } k \in \mathbb{Z}$
 onešena' shora 0
 suda'
 men' proj.

$$y = \arccot g(x) - \frac{\pi}{2}$$



$Df = R$
 $Hf = (-\frac{\pi}{2}, \frac{\pi}{2})$
 bleš.
 proj. ta'
 onešena' shora $\frac{\pi}{2}$
 suda $-\frac{\pi}{2}$
 licha'

$$y = \frac{\pi}{2} - \arccos(x+1)$$

$Df = (-2, 0)$
 $Hf = [-\frac{\pi}{2}, \frac{\pi}{2}]$
 rost., proj.
 neni' suda' ani licha'
 onešena' sdola $-\frac{\pi}{2}$
 shora $\frac{\pi}{2}$

$$y = \frac{-2x+1}{2x+3}$$



$$y = \sin(x - \frac{\pi}{2}) - 1$$



$$y = -4^{x+2} - 1$$



$$y = x^2 - 5x + 6$$



$$y = |x| - 2$$



$$y = \frac{2x+1}{x-3}$$



$$y = \cos(x + \frac{\pi}{2}) + 1$$



$$y = \left(\frac{1}{4}\right)^{-x} - 1$$



$$y = -x^2 + 3x + 4$$



$$y = |x - 2|$$



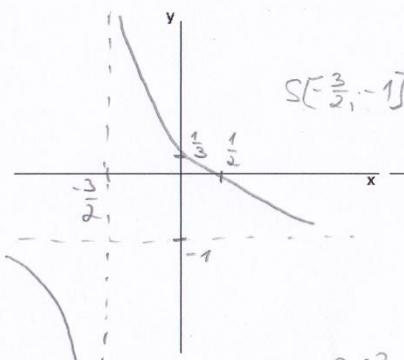
$$y = \frac{-2x+1}{2x+3}$$

$$y = \sin(x - \frac{\pi}{2}) - 1$$

$$y = -4^{x+2} - 1$$

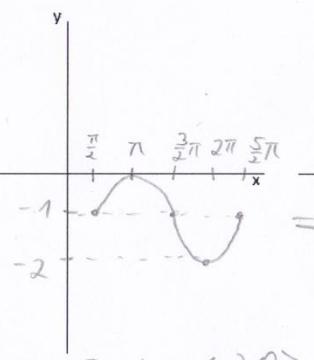
$$y = x^2 - 5x + 6$$

$$y = |x| - 2$$



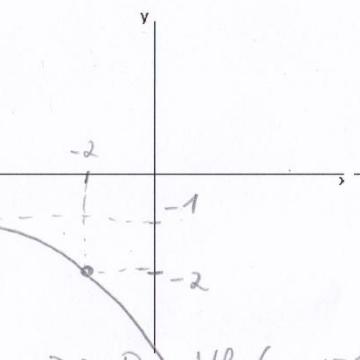
$$Df = R \setminus \{-\frac{3}{2}\} \quad Hf = R \setminus \{-1\}$$

nem' onesena', nem' spojita'
nem' suda' ani licha'
blesajica' $(-\infty, -\frac{3}{2})$, bles. $(-\frac{3}{2}, +\infty)$



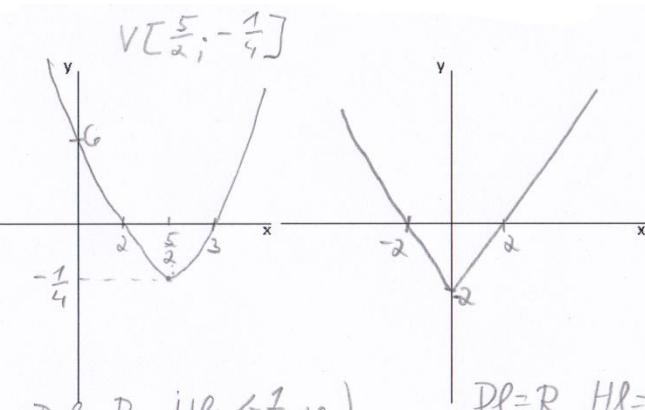
$$Df = R \quad Hf = \langle -2, 0 \rangle$$

spojita', suda'
omesena' s dola -2
shora 0



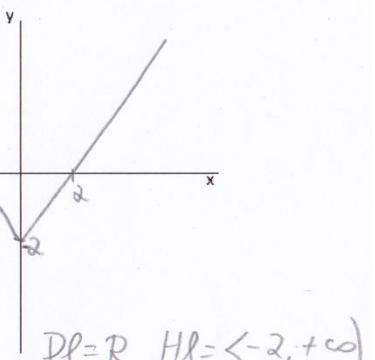
$$Df = R \quad Hf = \langle -\infty, -1 \rangle$$

blesajica', spojita'
omesena' shora -1
nem' suda' ani licha'



$$Df = R \quad Hf = \langle -\frac{1}{4}, +\infty \rangle$$

bles. $(-\infty, \frac{5}{2})$
nosl. $\langle \frac{5}{2}, +\infty \rangle$
spojita', onesena' s dola -1/4
nem' suda' ani licha'



$$Df = R \quad Hf = \langle -2, +\infty \rangle$$

bles. $(-\infty, 0)$
nosl. $\langle 0, +\infty \rangle$
spojita', suda'
omesa' s dola -2

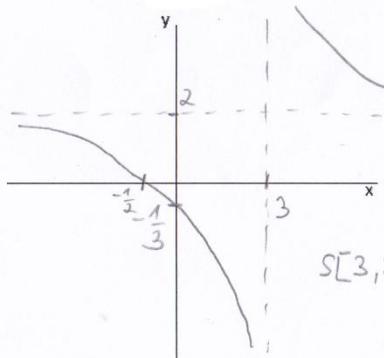
$$y = \frac{2x+1}{x-3}$$

$$y = \cos(x + \frac{\pi}{2}) + 1$$

$$y = \left(\frac{1}{4}\right)^{-x} - 1$$

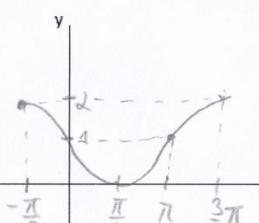
$$y = -x^2 + 3x + 4$$

$$y = |x - 2|$$



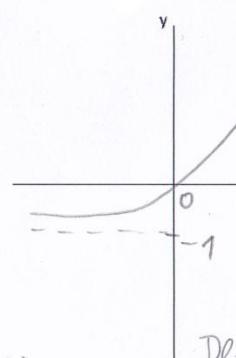
$$Df = R \setminus \{3\} \quad Hf = R \setminus \{-\frac{1}{2}\}$$

bles. $(-\infty, 3)$
bles. $(3, +\infty)$
nem' spojita'
nem' suda' ani licha'
nem' onesena'



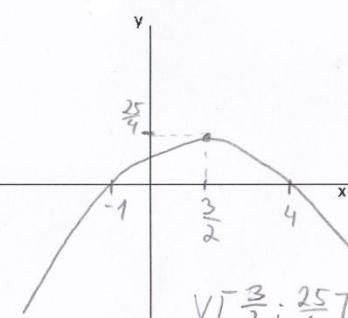
$$Df = R \quad Hf = \langle 0, 2 \rangle$$

spojita'
omesena' s dola 0
nosl. $\langle 2, +\infty \rangle$
spojita'
omesa' s dola 0
shora 2



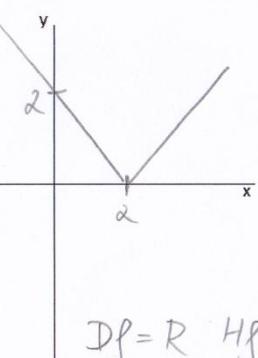
$$Df = R \quad Hf = \langle -1, +\infty \rangle$$

nosl. $(-\infty, 0)$
spojita'
omesa' s dola -1
nem' suda' ani licha'



$$Df = R \quad Hf = \langle -\infty, \frac{25}{4} \rangle$$

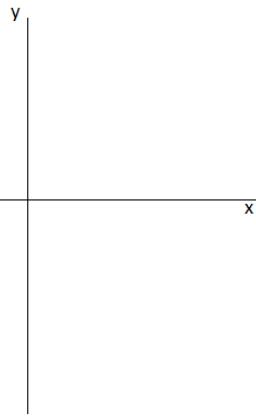
nosl. $(-\infty, \frac{3}{2})$
bles. $(\frac{3}{2}, +\infty)$
omesena' shora 25/4
spojita'
nem' suda' ani licha'



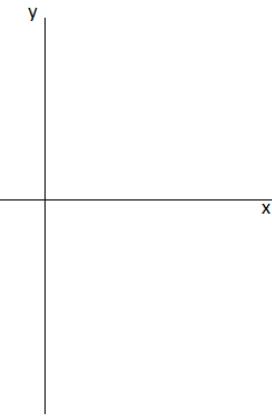
$$Df = R \quad Hf = \langle 0, +\infty \rangle$$

spojita'
omesena' s dola 0
nosl. $\langle 2, +\infty \rangle$
bles. $(-\infty, 2)$
nem' suda' ani licha'

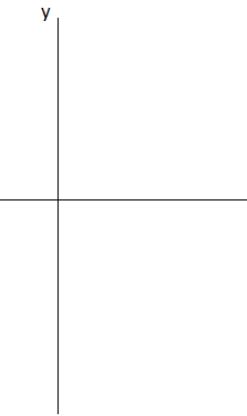
$$y = 3x - 2$$



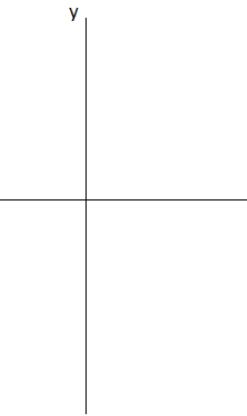
$$y = |1 - x^2|$$



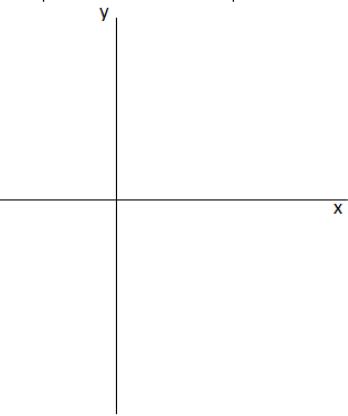
$$y = -\frac{2}{x} + 1$$



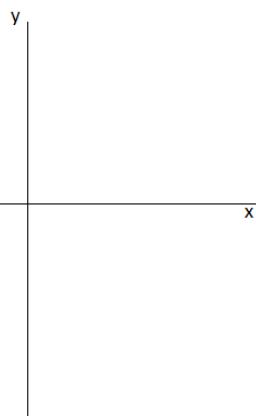
$$y = |\operatorname{tg} x| - 1$$



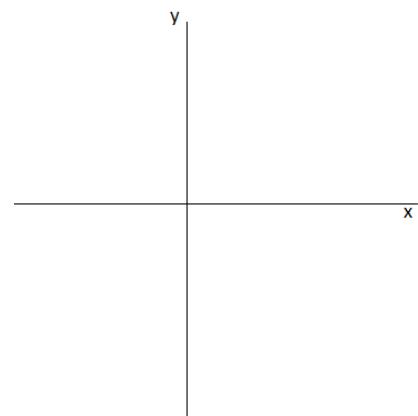
$$y = \left| \log_{\frac{1}{3}}(x+2) + 1 \right|$$



$$y = -|x+1| - 3$$



$$y = (x-2)^2 + 1$$



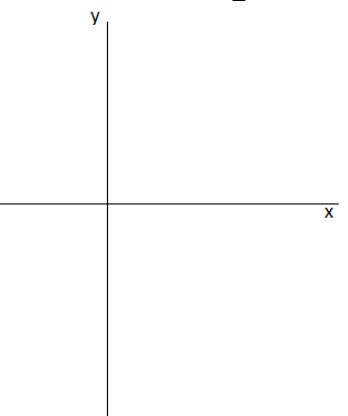
$$y = \frac{2-3x}{x+1}$$



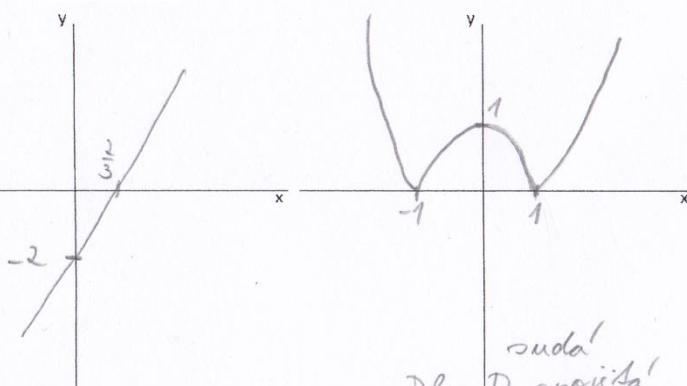
$$y = -\operatorname{arctg}(x+1)$$



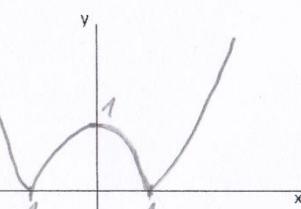
$$y = \arccos(-x) - \frac{\pi}{2}$$



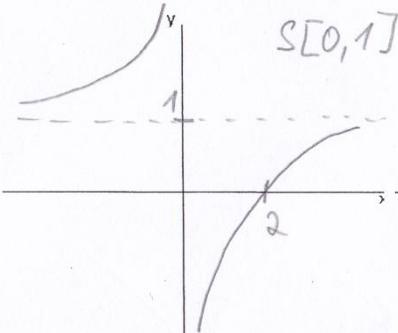
$$y = 3x - 2$$



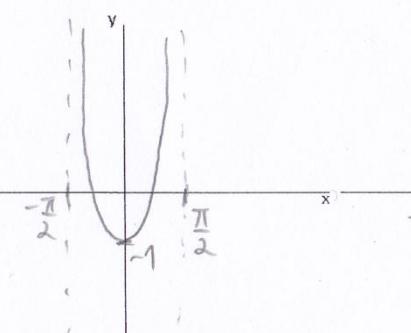
$$y = |1 - x^2|$$



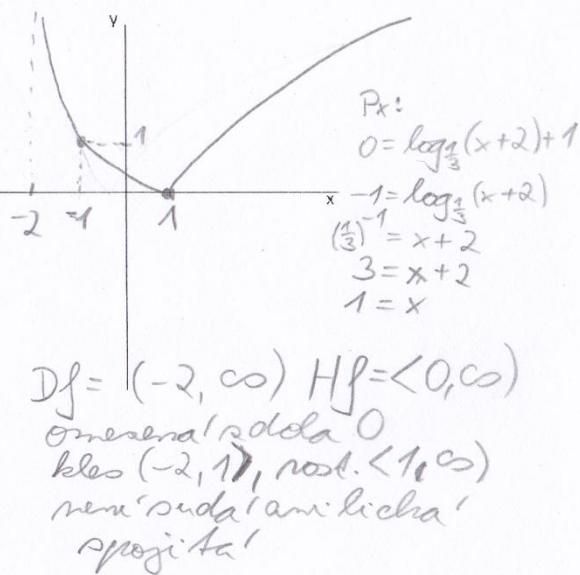
$$y = -\frac{2}{x} + 1$$



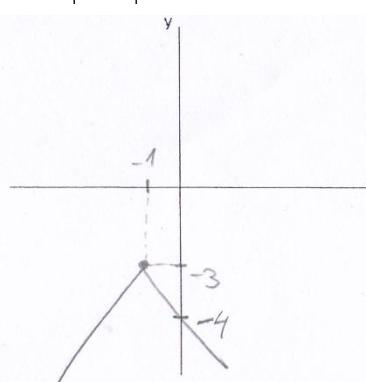
$$y = |\operatorname{tg} x| - 1$$



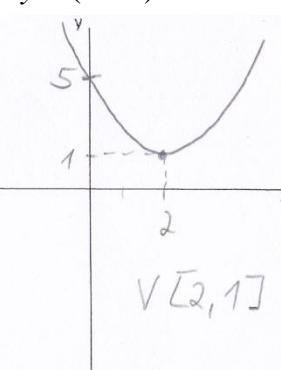
$$y = \left| \log_{\frac{1}{3}}(x+2) + 1 \right|$$



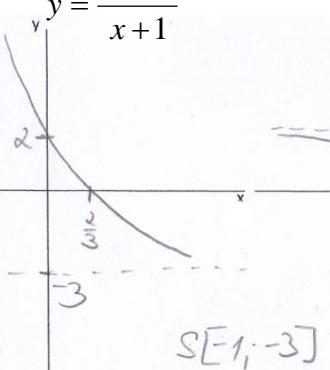
$$y = -|x+1| - 3$$



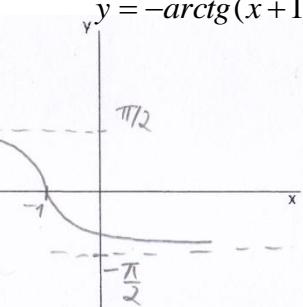
$$y = (x-2)^2 + 1$$



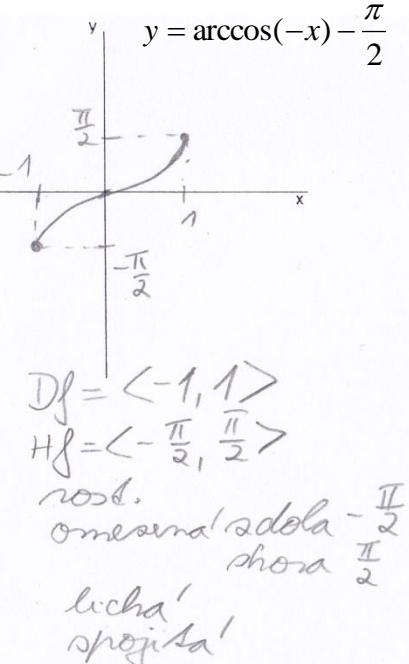
$$y = \frac{2-3x}{x+1}$$



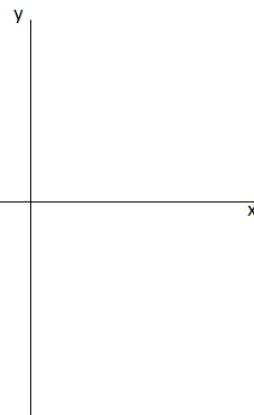
$$y = -\operatorname{arctg}(x+1)$$



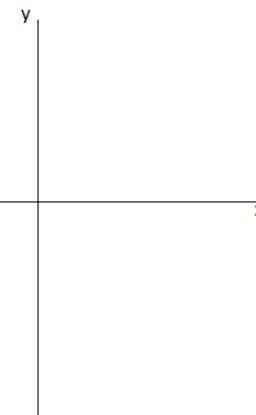
$$y = \arccos(-x) - \frac{\pi}{2}$$



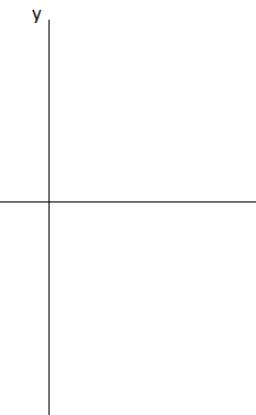
$$y = \arcsin(x-1) - \pi$$



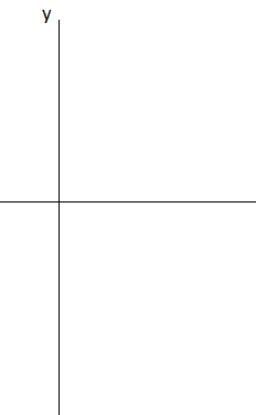
$$y = -\ln(x-1) + 1$$



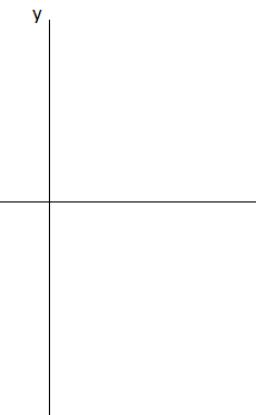
$$y = -\operatorname{arctg}(x) - \frac{\pi}{2}$$



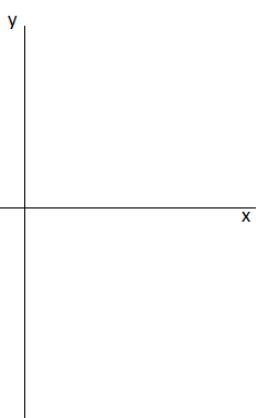
$$y = |-e^{-x} + 1|$$



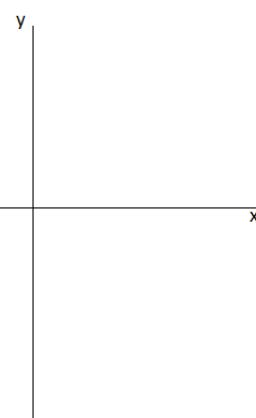
$$y = 2 - \cot g(x)$$



$$y = \arccos(x + \frac{1}{2}) + \frac{\pi}{2}$$



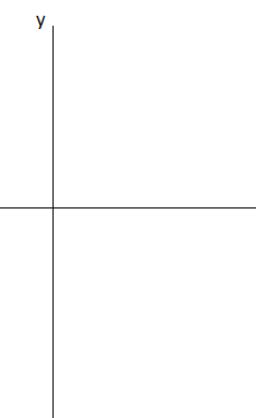
$$y = \log_{0,5}(-x) - 1$$



$$y = \operatorname{arc cot} g(-x) - \pi$$



$$y = -\log(x+1)$$



$$y = \operatorname{tg}(-x) - 1$$



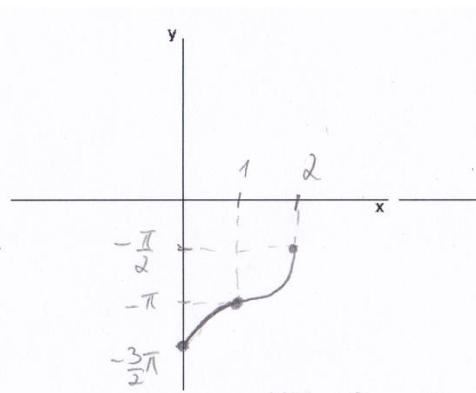
$$y = \arcsin(x-1) - \pi$$

$$y = -\ln(x-1) + 1$$

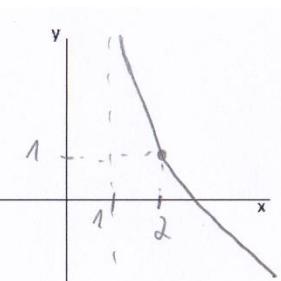
$$y = -\operatorname{arctg}(x) - \frac{\pi}{2}$$

$$y = |-e^{-x} + 1|$$

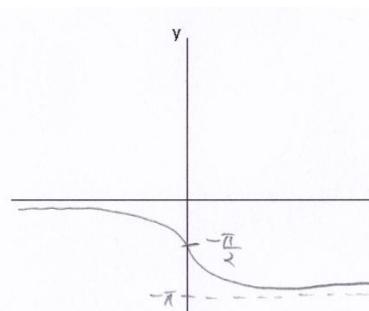
$$y = 2 - \cot g(x)$$



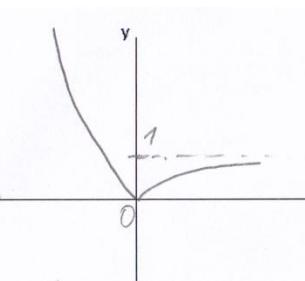
$Df = \langle 0, 2 \rangle$ $Hf = \langle -\frac{3\pi}{2}, -\frac{\pi}{2} \rangle$
nosložení, spojita'
není soud'anička'
omesena' sdola $-\frac{3\pi}{2}$
shora $-\frac{\pi}{2}$



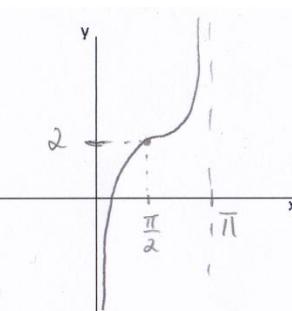
$Df = (1, \infty)$
 $Hf = R$
projíta', blozající'
není'onez.
není'soudal'anička'



$Df = R$ $Hf = (-\pi, 0)$
kles., projíta'
není' soud'anička'
omesena' shora 0
sdola -pi



$Df = R$ $Hf = (0, \infty)$
projíta'
kles. $(-\infty, 0)$
nosl. $\langle 0, \infty \rangle$
není' soud'anička'
omes. sdola 0



$Df = R \setminus \{k\pi\}$ $k \in \mathbb{Z}$
 $Hf = R$
není' soud'anička'
není' projíta'
není' onez.

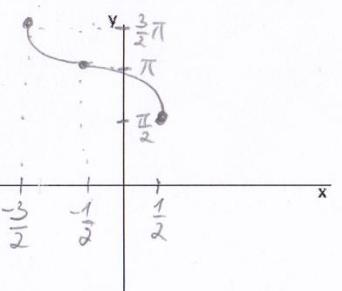
$$y = \arccos(x + \frac{1}{2}) + \frac{\pi}{2}$$

$$y = \log_{0.5}(-x) - 1$$

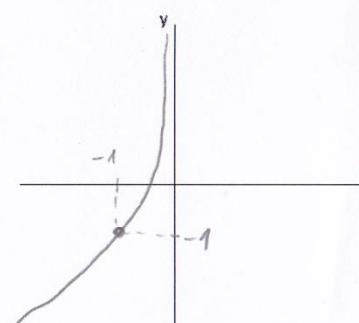
$$y = \operatorname{arccot} g(-x) - \pi$$

$$y = -\log(x+1)$$

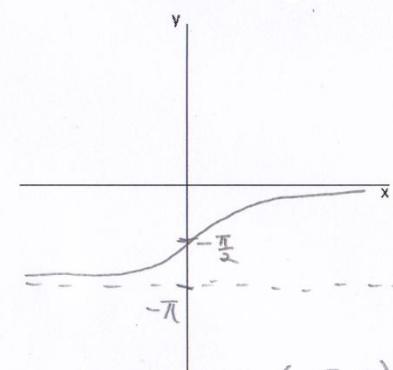
$$y = \operatorname{tg}(-x) - 1$$



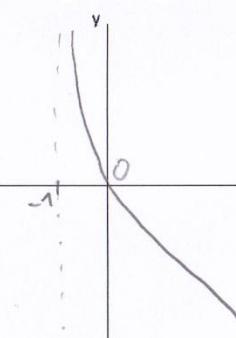
$Df = \langle -\frac{3}{2}, \frac{1}{2} \rangle$
 $Hf = \langle \frac{\pi}{2}, \frac{3\pi}{2} \rangle$
kles., projíta'
není' soud'anička'
omesena' sdola $\frac{\pi}{2}$
shora $\frac{3\pi}{2}$



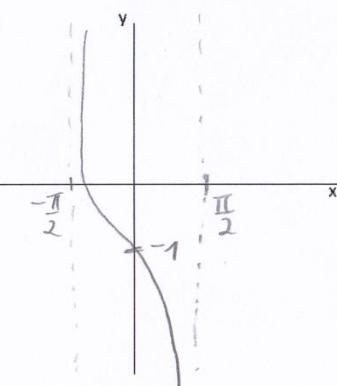
$Df = (-\infty, 0)$
 $Hf = R$
nosložení
neomesena'
spojita'
není' soudal'anička'



$Df = R$ $Hf = (-\pi, 0)$
nosložení, projíta'
není' soud'anička'
omesena' sdola -pi
shora 0



$Df = (-1, \infty)$
 $Hf = R$
klesající'
projíta'
není' onez.
není' soudal'anička'



$Df = R \setminus \{(2k+1)\frac{\pi}{2}\}$
 $Hf = R$
není' projíta'
není' onez.
není' soudal'anička'