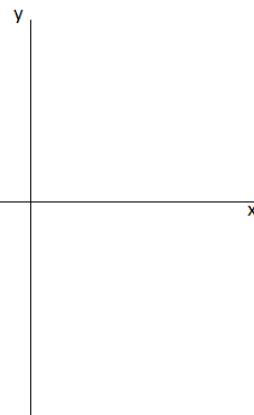
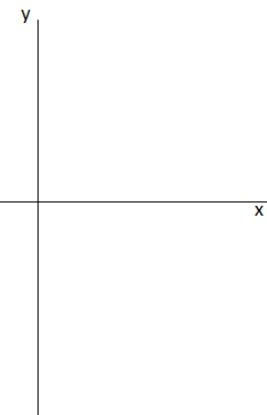


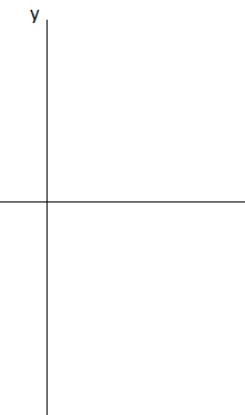
$$y = \arccos(x+1) - \pi$$



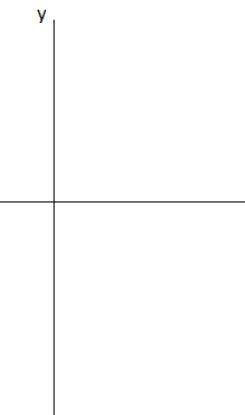
$$y = -\ln(x+1) - 1$$



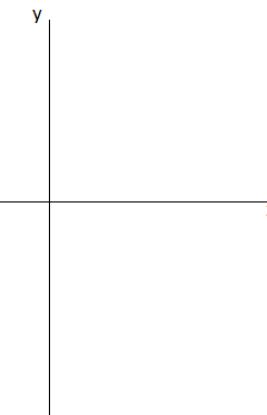
$$y = -\operatorname{arc cot} g(x) + \frac{\pi}{2}$$



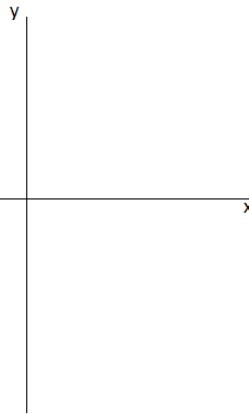
$$y = |e^{-x} - 1|$$



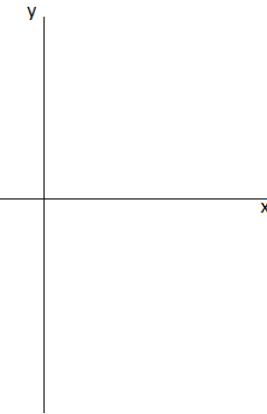
$$y = \cot g(2x) - 1$$



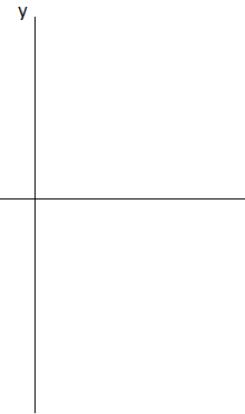
$$y = \frac{-2x+1}{x+3}$$



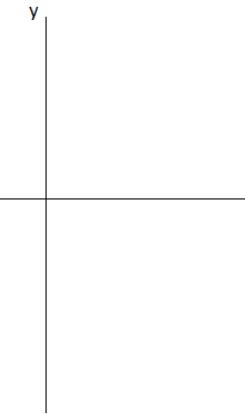
$$y = 2 \sin(x + \frac{\pi}{2}) + 1$$



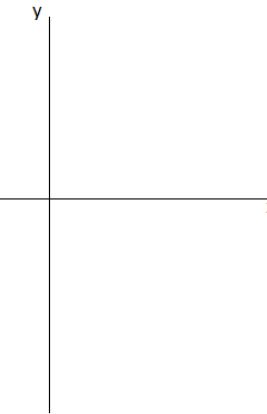
$$y = 4^{x-2} - 1$$



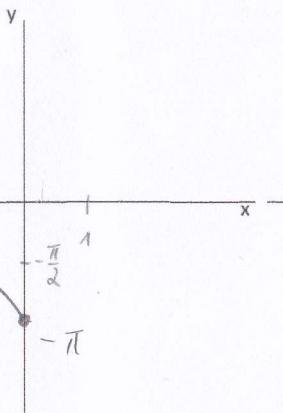
$$y = -x^2 + 4x + 5$$



$$y = |-2x+4|-1$$

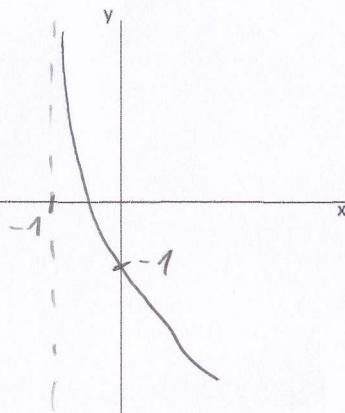


$$y = \arccos(x+1) - \pi$$



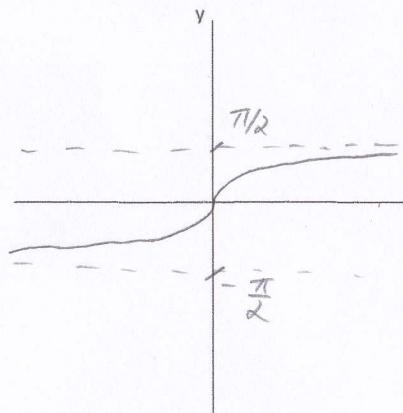
$$Df = \langle -2, 0 \rangle$$
$$Hf = \langle -\pi, 0 \rangle$$

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



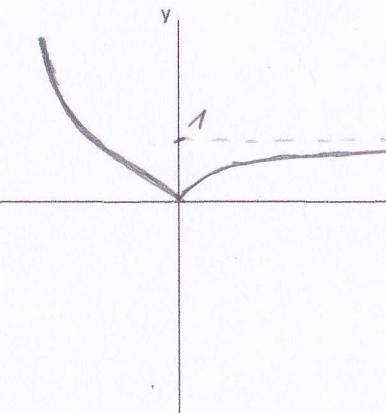
$$Df = (-1, +\infty)$$
$$Hf = R$$

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



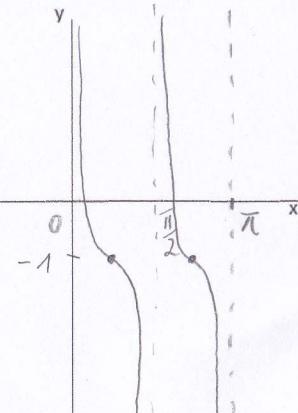
$$Df = R$$
$$Hf = (-\frac{\pi}{2}, \frac{\pi}{2})$$

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



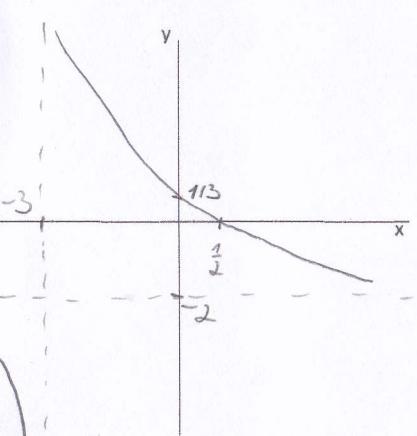
$$Df = R$$
$$Hf = \langle 0, +\infty \rangle$$

$$y = \cot g(2x) - 1$$



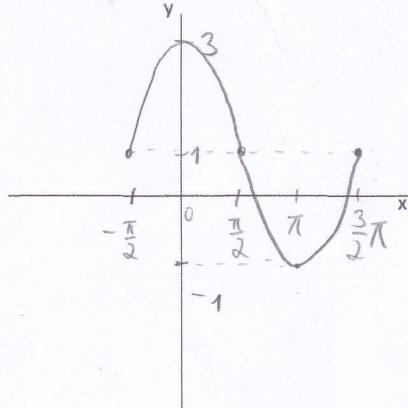
$$Df = R \setminus \{k \cdot \frac{\pi}{2}\}$$
$$Hf = R$$

$$y = \frac{-2x+1}{x+3} = -2 + \frac{7}{x+3}$$



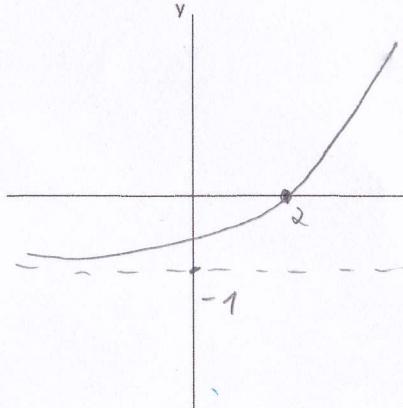
$$Df = R \setminus \{-3\}$$
$$Hf = R \setminus \{-2\}$$

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



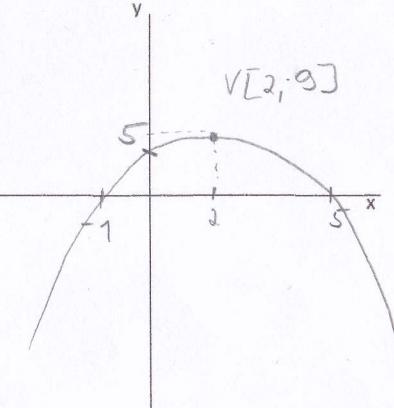
$$Df = R$$
$$Hf = \langle -1, 3 \rangle$$

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



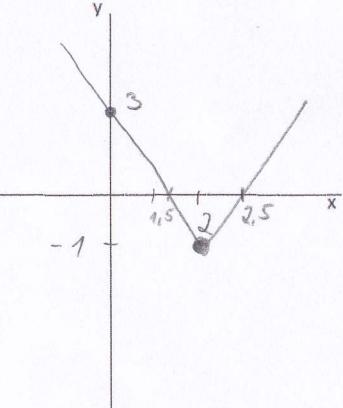
$$Df = R$$
$$Hf = (-1, +\infty)$$

$$y = -x^2 + 4x + 5 = -(x-5)(x+1)$$
$$y = |-2x+4|-1 = 2|x-2|-1$$

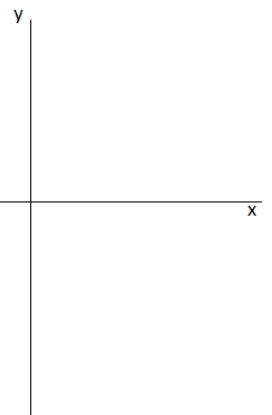


$$Df = R$$
$$Hf = (-\infty, 9]$$

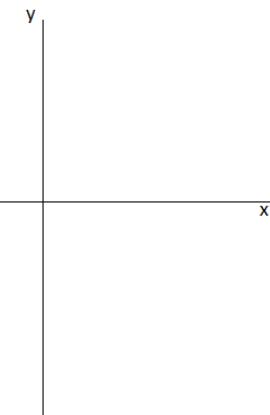
$$Df = R$$
$$Hf = \langle -1, +\infty \rangle$$



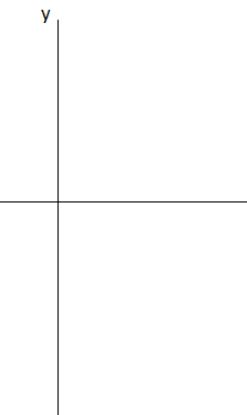
$$y = \arccos(x-1) + \pi$$



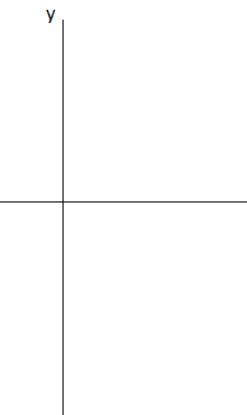
$$y = \ln(-x) - 1$$



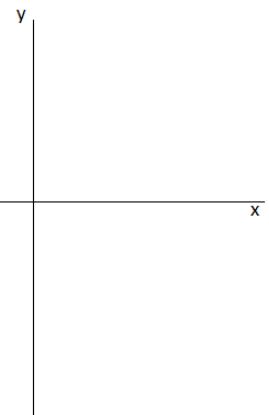
$$y = \operatorname{arc cot} g(-x) - \frac{\pi}{2}$$



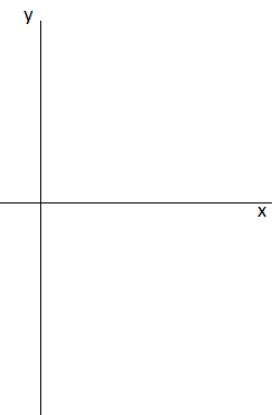
$$y = |-e^x + 1|$$



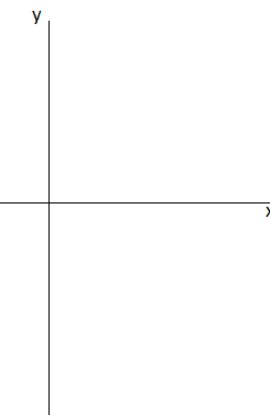
$$y = -\cot g(2x) + 1$$



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



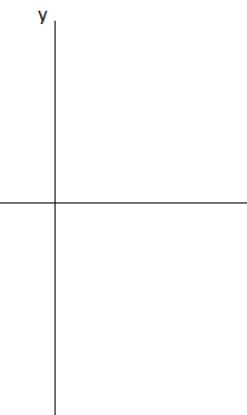
$$y = \sin(x - \frac{\pi}{2}) - 1$$



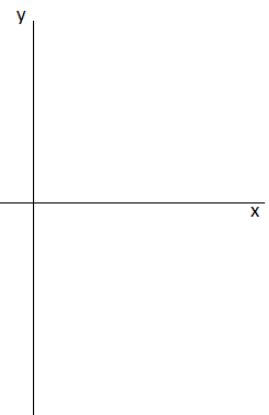
$$y = -4^{x+2} - 1$$



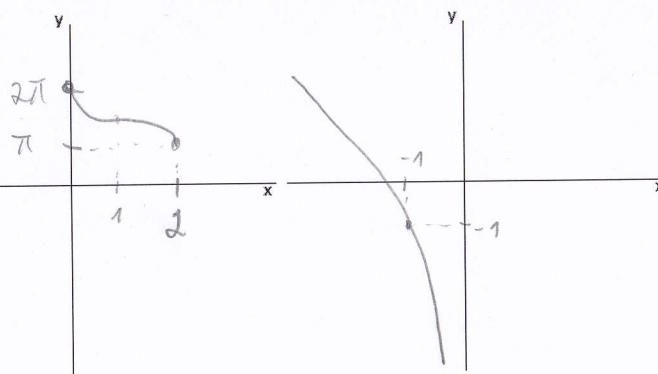
$$y = x^2 - 5x + 6$$



$$y = |-2x-4|-1$$



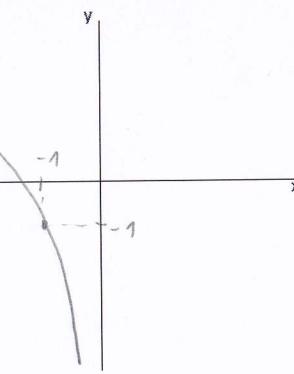
$$y = \arccos(x-1) + \pi$$



$$Df = (0, 2)$$

$$Hf = [\pi, 2\pi]$$

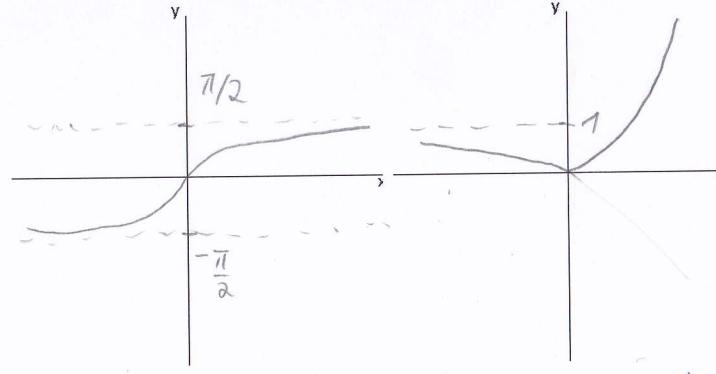
$$y = \ln(-x) - 1$$



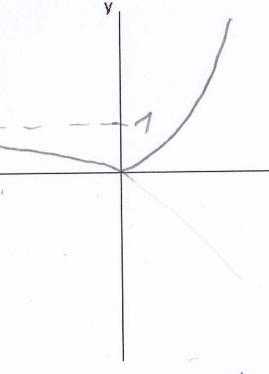
$$Df = (-\infty, 0)$$

$$Hf = \mathbb{R}$$

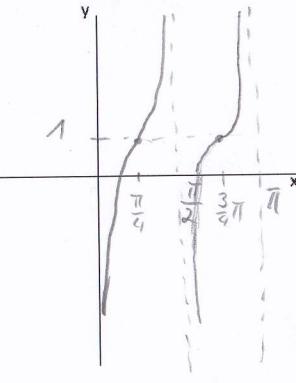
$$y = \operatorname{arc cot} g(-x) - \frac{\pi}{2}$$



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



$$y = -\cot g(2x) + 1$$



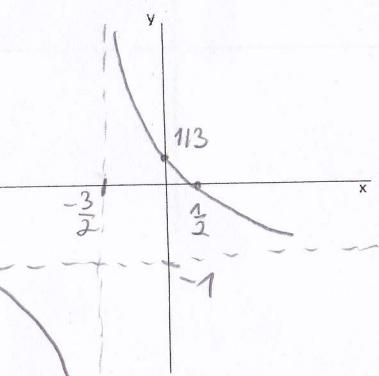
$$Df = \mathbb{R}$$

$$Hf = [0, \infty)$$

$$Df = \mathbb{R} \setminus \{k \cdot \frac{\pi}{2}\} \quad k \in \mathbb{Z}$$

$$Hf = \mathbb{R}$$

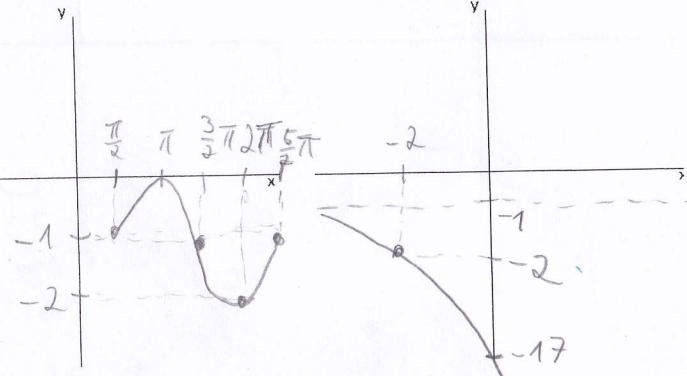
$$y = \frac{-2x+1}{2x+3} = -1 + \frac{4}{2(x+\frac{3}{2})} \quad y = \sin(x - \frac{\pi}{2}) - 1$$



$$Df = \mathbb{R} \setminus \{-\frac{3}{2}\}$$

$$Hf = \mathbb{R} \setminus \{1/3\}$$

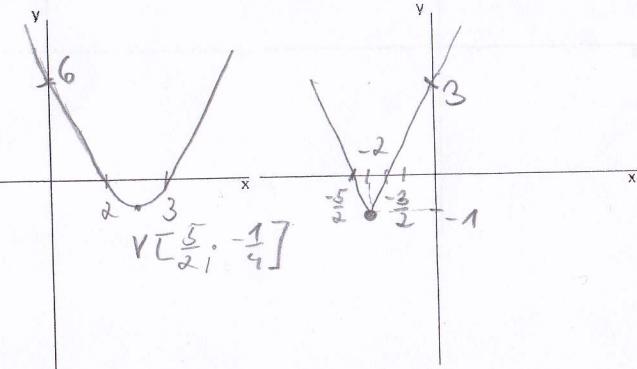
$$y = -4^{x+2} - 1$$



$$Df = \mathbb{R}$$

$$Hf = (-\infty, 0)$$

$$y = x^2 - 5x + 6 = (x-2)(x-3) \quad y = |-2x-4|-1 = |-(2x+4)|-1 = 1-2|x+2|-1 \\ = 2 \cdot 1|x+2|-1$$



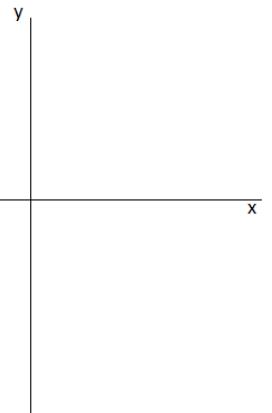
$$Df = \mathbb{R}$$

$$Hf = [-\frac{45}{4}, +\infty)$$

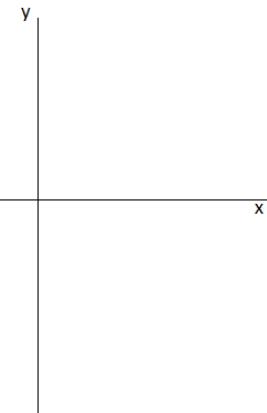
$$Df = \mathbb{R}$$

$$Hf = (-1, +\infty)$$

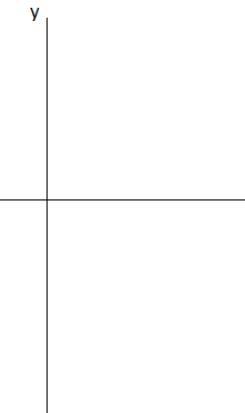
$$y = \arcsin(x-1) - \pi$$



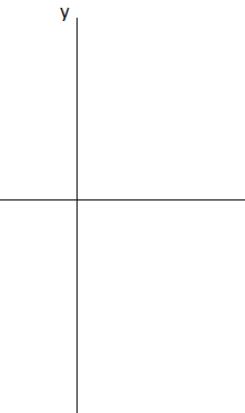
$$y = -\ln(x-1) + 1$$



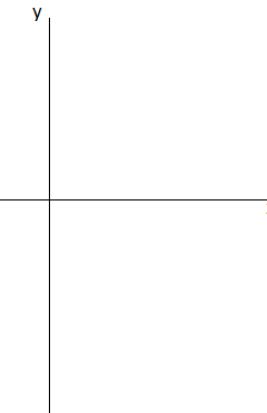
$$y = -\operatorname{arctg}(x) - \frac{\pi}{2}$$



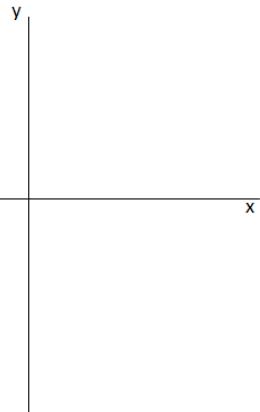
$$y = |-e^{-x} + 1|$$



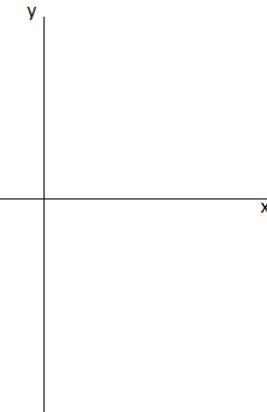
$$y = 2 - \cot g(2x)$$



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



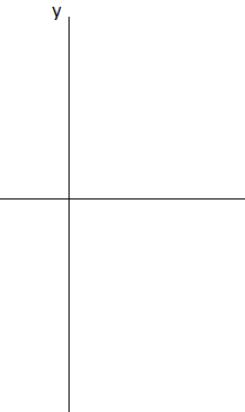
$$y = 2 \cos(x + \pi) + 1$$



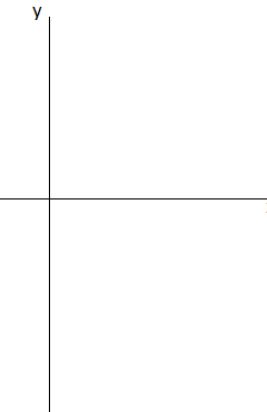
$$y = -\left(\frac{1}{3}\right)^{x-2} + 1$$



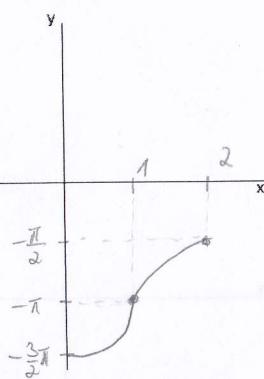
$$y = -x^2 + x + 2$$



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



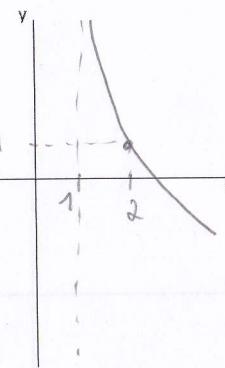
$$y = \arcsin(x-1) - \pi$$



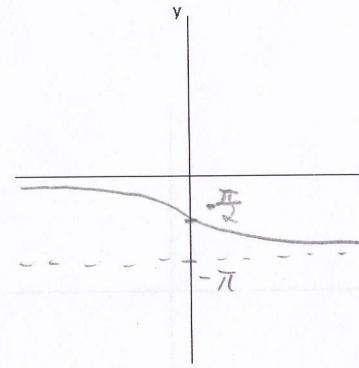
$$Df = \langle 0, 2 \rangle$$

$$Hf = \langle -\frac{3}{2}\pi, -\frac{\pi}{2} \rangle$$

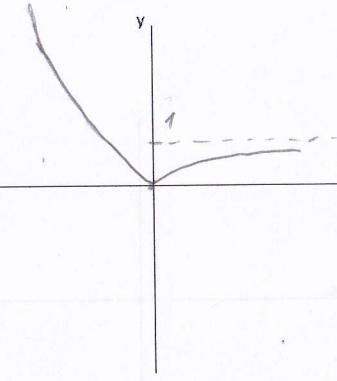
$$y = -\ln(x-1) + 1$$



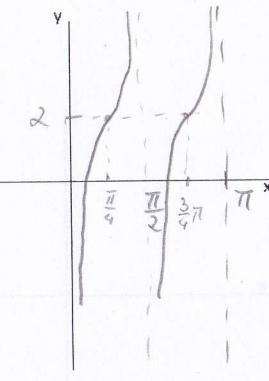
$$y = -\operatorname{arctg}(x) - \frac{\pi}{2}$$



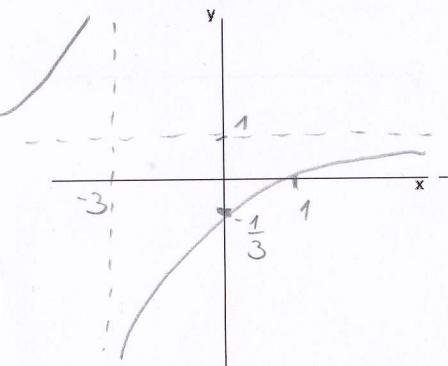
$$y = |-e^{-x} + 1|$$



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

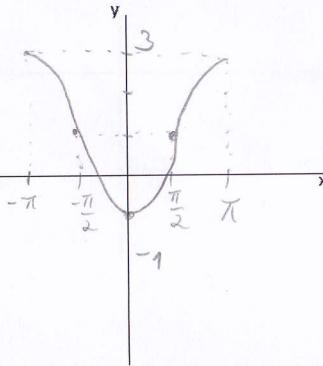


$$y = \frac{x-1}{x+3} = 1 - \frac{4}{x+3}$$



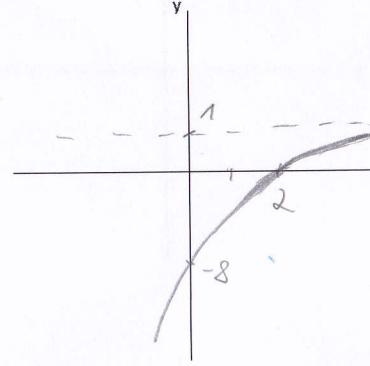
$$Df = \mathbb{R} \setminus \{-3\}$$
$$Hf = \mathbb{R} \setminus \{1\}$$

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



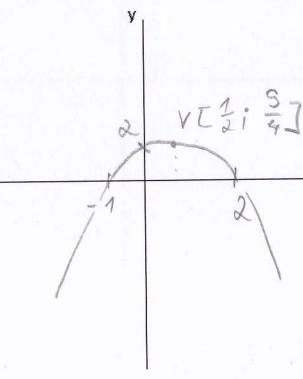
$$Df = \mathbb{R}$$
$$Hf = \langle -1, 3 \rangle$$

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

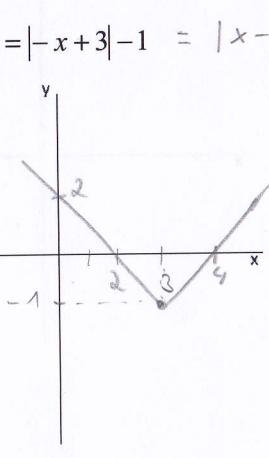


$$Df = \mathbb{R}$$
$$Hf = (-\infty, 1)$$

$$y = -x^2 + x + 2 = -(x-2)(x+1)$$
$$y = |-x+3|-1 = |x-3|-1$$



$$Df = \mathbb{R}$$
$$Hf = (-\infty, \frac{9}{4})$$



$$Df = \mathbb{R}$$
$$Hf = \langle -1, \infty \rangle$$