

## Výsledky:

**Příklad 1.** a)  $D(f) = (3; +\infty)$

b)  $D(f) = (-\infty; -3) \cup (3; +\infty)$

c)  $D(f) = (-\infty; -\sqrt{2}) \cup (\sqrt{2}; +\infty)$

d)  $D(f) = (\frac{3}{2}; 2) \cup (2; +\infty)$

e)  $D(f) = (0; 16) \cup (16; +\infty)$

f)  $D(f) = (10; +\infty)$

**Příklad 2.** a)  $x = 3$

b)  $x = -\frac{3}{2}$

c)  $x = \frac{1}{3}$

d) rovnice nemá žádné řešení

e)  $x = 2$

f)  $x = -4$

g)  $x = 2$

h)  $x = 1$

i)  $x = 3$

j)  $x = -1$

k)  $x = 0$

**Příklad 3.** a)  $x = 4$

b)  $x = \frac{1}{2}$

c)  $x = 9$

d)  $x = 5$

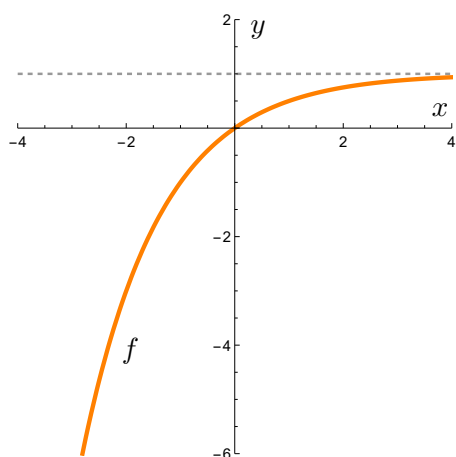
e)  $x = e - 1$

f)  $x = 5$

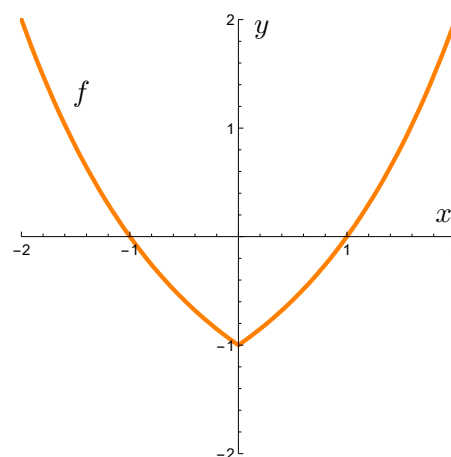
g)  $x = 100$

h)  $x \in (0, +\infty)$

**Příklad 4.** a)  $D(f) = \mathbb{R}, H(f) = (-\infty; 1)$

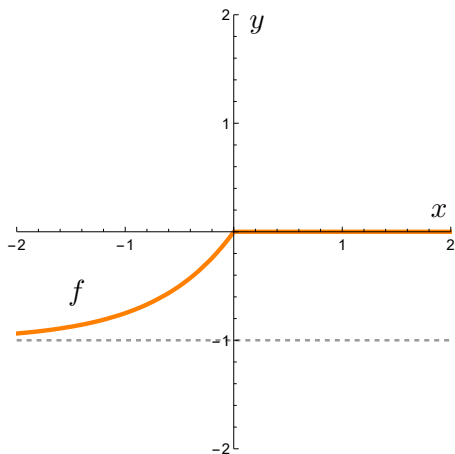


b)  $D(f) = \mathbb{R}, H(f) = (-1; +\infty)$

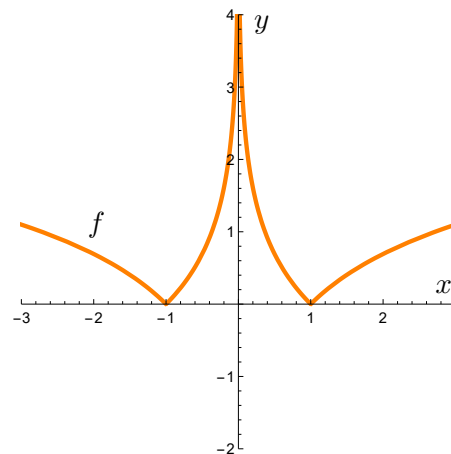


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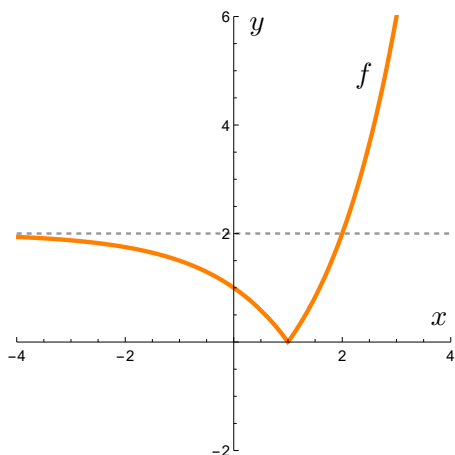
Příklad 4. c)  $D(f) = \mathbb{R}$ ,  $H(f) = (-1; 0)$



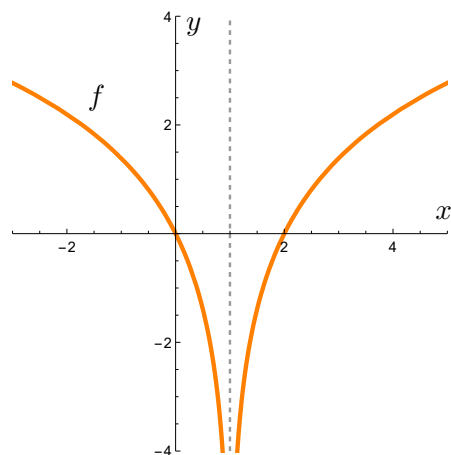
f)  $D(f) = \mathbb{R} \setminus \{0\}$ ,  $H(f) = \langle 0; +\infty \rangle$



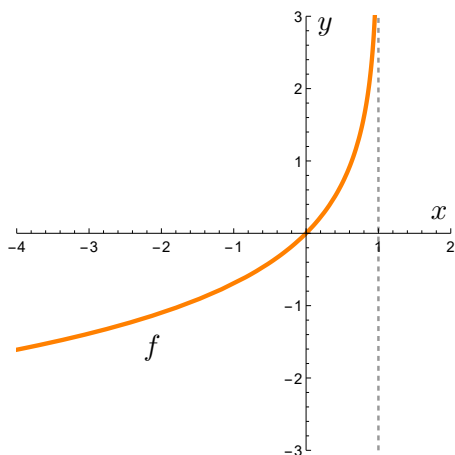
d)  $D(f) = \mathbb{R}$ ,  $H(f) = \langle 0; +\infty \rangle$



g)  $D(f) = \mathbb{R} \setminus \{1\}$ ,  $H(f) = \mathbb{R}$



e)  $D(f) = (-\infty; 1)$ ,  $H(f) = \mathbb{R}$



h)  $D(f) = (-1; +\infty)$ ,  $H(f) = \mathbb{R}$

