

Výsledky:

Příklad 1. a) $\frac{4}{3}$

b) $\frac{5}{4}$

c) $\frac{3}{5}$

d) $-\frac{5}{4}$

Příklad 2. a) $x = \ln 2$

b) $x_{1,2} = \pm \ln 5$

Příklad 3. a) $x_{1,2} = \pm \sqrt{e^{\operatorname{argsinh} 2}}$

b) $x_1 = -1, x_2 = 0$

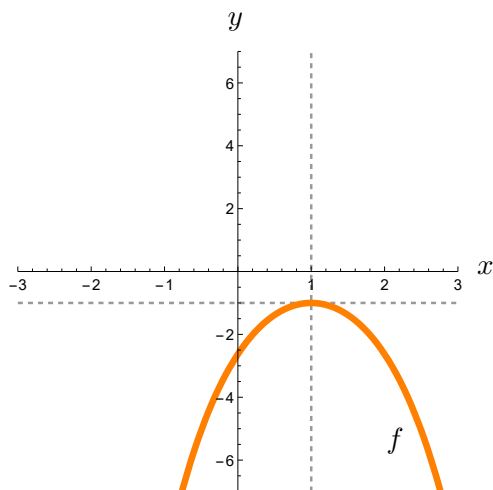
c) $x_1 = -1, x_2 = 0, x_3 = 1$

d) $x_1 = 0, x_2 = \ln \frac{3}{5}$

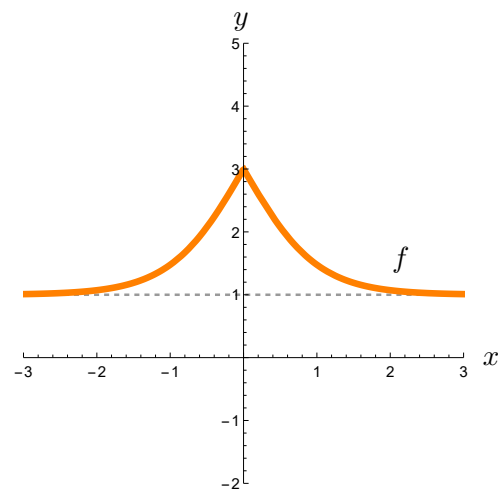
e) $x_1 = -\ln 2, x_2 = \ln 7$

f) $x_1 = \frac{1}{2} \ln \frac{1}{2}, x_2 = \frac{1}{2} \ln \frac{4}{3}$

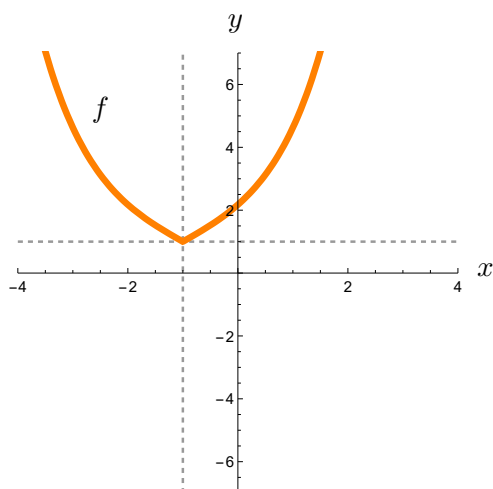
Příklad 4. a) $D(f) = \mathbb{R}, H(f) = (-\infty; -1)$



c) $D(f) = \mathbb{R}, H(f) = (1; 3)$



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



d) $D(f) = \mathbb{R} \setminus \{0\}, H(f) = (3; +\infty)$

