

Definiční obor

$$f(x) = e^{\sqrt{1 - \log(x+3)}}$$

i) odmocnina

$$1 - \log(x+3) \geq 0$$

$$\log(x+3) = 1$$

$$x+3 = 10^1$$

$$x = 7$$

ii) logaritmus

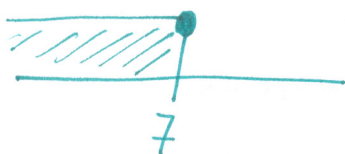
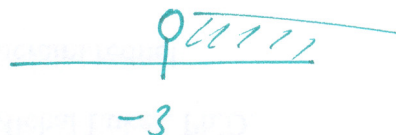
$$x+3 > 0$$

$$x > -3$$

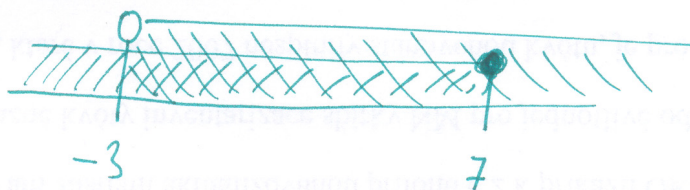
Nulové body

1/collog

1-3

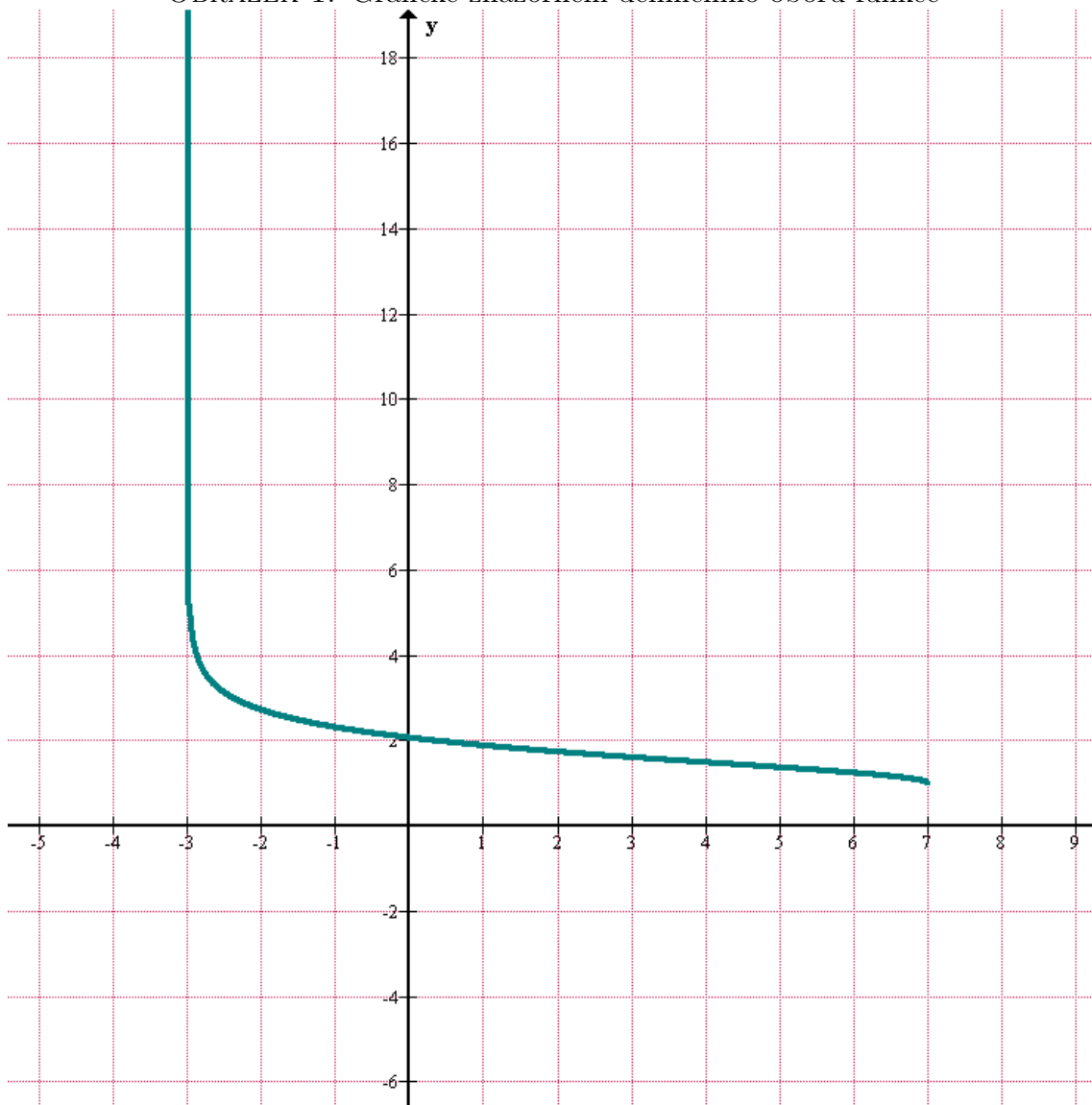


Průnik oborů je



$$x \in (-3; 7]$$

OBRÁZEK 1. Grafické znázornění definičního oboru funkce



Zdroj: program Graph