

1) Je dána funkce  $f : y = \left(\frac{1}{4}\right)^x - 2$ . Určete  $f(2), f(-1), f\left(\frac{1}{2}\right), f\left(-\frac{1}{2}\right), f(0)$ .

$$f(2) = \left(\frac{1}{4}\right)^2 - 2 = -\frac{31}{16}$$

$$f(-1) = \left(\frac{1}{4}\right)^{-1} - 2 = 4 - 2 = 2$$

$$f\left(\frac{1}{2}\right) = \left(\frac{1}{4}\right)^{\frac{1}{2}} - 2 = \frac{1}{2} - 2 = -\frac{3}{2}$$

$$f\left(-\frac{1}{2}\right) = \left(\frac{1}{4}\right)^{-\frac{1}{2}} - 2 = 2 - 2 = 0$$

$$f(0) = 1 - 2 = -1$$

[Zpět:](#)