

Př: Řešte rovnice

$$a) 2^{x-1} + 2^{x-2} + 2^{x-3} = \overset{2^6 \cdot 7}{448} \quad [x=9]$$

$$b) 9^x + 2 \cdot 3^x - 3 = 0 \quad [x=0]$$

$$c) \log(x+2) - \log(x-1) = 2 - \log 4 \quad [x = \frac{9}{8}]$$

$$d) \sin 2x = \sin x \quad [x_1 = k\pi, x_{2,3} = \pm \frac{\pi}{3} + 2k\pi, k \in \mathbb{Z}]$$