

Rezolvare

$$1. \left(\frac{3}{2}\right)^{-1} - \sqrt[3]{\frac{8}{27}} = \frac{2}{3} - \frac{2}{3} = 0.$$

$$2. f(x) = g(x) \Rightarrow x = 1 \Rightarrow y = 4 \Rightarrow A(1, 4).$$

$$3. 3^{1-x} = 3^2 \Rightarrow x = -1.$$

$$4. \begin{cases} x+2 > 0 \\ 2x-5 > 0 \end{cases} \Rightarrow x \in \left(\frac{5}{2}, \infty\right).$$

$$\frac{x+2}{2x-5} = 5 \Rightarrow x = 3 \in \left(\frac{5}{2}, \infty\right).$$

$$5. d: y = x + n$$

$$A \in d \Rightarrow n = -2 \Rightarrow d: y = x - 2.$$

$$6. A = \frac{l^2 \sqrt{3}}{4} \Rightarrow l = 2 \Rightarrow P = 6.$$