$$\begin{array}{c}
\widehat{J} = [2, 8, 1] \\
\widehat{g} = [3, 12, -1]
\end{aligned}$$

$$\begin{array}{c}
\widehat{J} = [3, 1]
\end{aligned}$$

2.1) 
$$f(x) = x^2 + 2x$$
  
 $f'(x) = 2x_0 + 2 = 0$  - Exampling ap-ini  
 $\mathbf{x} = -1$  - morna Examplina.  
 $f''(x) = 2 > 0$   
 $|x| = -1$ 

2) 
$$f(x) = 2 \sin x + 1$$
  
 $f(x) = 2 \cos x_0 = 0 \Rightarrow x_0 = \frac{\pi}{2} + \pi n$ ,  $n \in \mathbb{Z}$ 

3) 
$$f(x) = \log_2 x + 3$$
  
 $f'(x_0) = \frac{1}{X_0 \ln 2} = 0 - \text{Hem permenua}$ 

$$f(x) > 3$$
 u ppu  $X_o = 1$   $f(x_o) = 3$   
 $f(x) > 3$  u ppu  $f(x_o) = 3$   
 $f(x) > 3$  u ppu  $f(x_o) = 3$ 

$$\begin{pmatrix}
 3 & 2 \\
 3 & -4 & 1 \\
 2 & -5 & 3
 \end{pmatrix}
 \begin{pmatrix}
 2 & 56 \\
 1 & 25 \\
 1 & 32
 \end{pmatrix}
 =$$

$$= \begin{pmatrix} 2-3+2 & 5-6+6 & 6-15+4 \\ 6-4+1 & 15-8+3 & 18-20+2 \\ 4-5+3 & 10-10+9 & 12-25+6 \end{pmatrix} = \begin{pmatrix} 1 & 5 & -5 \\ 3 & 10 & 0 \\ 2 & 9 & -4 \end{pmatrix}$$

$$X = [6,8]$$

$$|X| = [6^2 + 8^2] = [36 + 64] = [100] = 10$$