c) $\frac{x^3-1x^2-3x}{x+1} > 0$ $\frac{\times(\chi^2-2\times-3)}{\times+1}=0$ X5-5x-3=0 D=4-4(-3)=42 X1 = 2+4 = 3 ×3 = 0 42 = 204 = 4-1 xu x x-1 Odp: (-20; -1) U (-1; 0) U [3; +20) 2. $x' + 6x + 9 + 4 = (x + 3)^2 + 4$ 06p: (x13) 44 3. a) 2Z = {2.k/keZ) Odp: $\max 2\mathbb{Z}$: \max $\sup 2\mathbb{Z}$: $+\infty$ $\min 2\mathbb{Z}$: \max $\inf 2\mathbb{Z}$: $-\infty$ 4 N= {r∈R|r² ≤2 & |r|= r3 N Q $\begin{cases} r^2 \leq 2 \end{cases} \begin{cases} r \in [-52, 52] \end{cases} \begin{cases} r \in [0, 52] \end{cases}$ M = [0; JZ] A Q = [0; JZ) Odp: max M: neex Bup M: Jz13
min M: 0 infM: 0 c) N = { m+2 | n & N} Odp: max N : neex sup N: + au min N: neex inf N: 0



