$$\frac{4(-\infty;-1-\sqrt{19})-3-\sqrt{19}(-1-\sqrt{19};-3)(-3;0)0(0;2)(2;-1+\sqrt{19})-1+\sqrt{19}(-1+\sqrt{19};+\infty)}{y'} + 0 - 0 - 0 + y'$$

$$\frac{4(-\infty;-1-\sqrt{19})-3-\sqrt{19}(-1-\sqrt{19};-3)(-3;0)0(0;2)(2;-1+\sqrt{19})-1+\sqrt{19}(-1+\sqrt{19};+\infty)}{y'} + 0 - 0 + y'$$

6. 
$$y'' = 2$$
.  $\frac{(4x^3 + 6x^2 - 36x) \cdot (x^2 + x - 6)^2 - (x^4 + 2x^3 - 18x^2) \cdot 2(x^2 + x - 6)}{(x^2 + x - 6)^3} = \frac{4x((2x^2 + 3x - 18)(x^2 + x - 6) - (x^3 + 2x^2 - 18x)(2x + 1))}{(x^2 + x - 6)^3} = \frac{4x[(2x^4 + 3x^3 - 18x^2 + 2x^3 + 3x^2 - 18x - 12x^2 - 18x + 108) - (x - 2)^3(x + 3)^3}{(x - 2)^3(x + 3)^3} = \frac{4x((-1)^3(x + 3)^3)}{(x - 2)^3(x + 3)^3} = \frac{4x((-1)^3(x + 3)^3)}{(x - 2)^3(x + 3)^3}$ 

N	(-00',-3)	(-3,0)	0	(0;2)	(2,+00)
y"		+	0	-	+
y		V	7	70	0

Уна селевания проведенного несемедования

1) A(y): x ∈ R

2. Otheres on egeneral consumer pursue cone - curente persue consumer ne  $y(-x) = -\frac{1}{2}(x^2-1)^3 = y(x) \Rightarrow grynneque reminade$ 

3. line  $\frac{y(x)}{x} = \lim_{x \to \infty} -\frac{\sqrt[4]{x^2-1/3}}{x} = -\lim_{x \to \infty} \sqrt[4]{\frac{x^2-1/3}{x}} = \infty$   $\Rightarrow \text{recessoreres } u \text{ reprezent alteres accument}$ 

FREEROLDHEREN U reprezoner aubrent accuentor

4. Preserve onregeneres txe R=> beprience-

