trempi di esintoto e) funz. 400. Protte $P(x) = 2 \times +1$ diverse per $x \rightarrow 3 \Rightarrow x = 3$ equint, von P(x) = A(x) (raidotte oi minimi termini) re B(x)=0 =0 le xette di eq x=C e es. vint orion. destres a simistres P(v) = A(x) re A & B homms lo stemo grado B(x) = 20 xe HQ d. eq. y = 00 E esimtete oriBonnole destres e simistres $P(x) = \frac{2x+1}{x^2-3} \quad \text{lim} \quad P(x) = 0 \quad y = 0 \quad \text{eq} \quad \text{es}$ coetobontole destres e similations $ext{P(x)} = \frac{2x^2 + \lambda}{x - 3} \quad ext{ eim} \quad ext{P(x)} = +\infty$ $\frac{2(x)}{x} = \lim_{x \to \infty} \frac{2x+1}{x^2-3x} = 2$ ×-0+00 × $\left(\frac{2\times^2+1}{\times^2-3}-2\times\right) = \lim_{x\to 3} \frac{2\times^2-1}{2\times^2-1} = 2\times^2-6$ \times -b + ∞ or oblax $y = 2 \times + 6$ -2q

$$F(x) = \frac{2x^3 + 1}{x - 3}$$

$$\frac{x - 6 + 20}{x - 6 + 20}$$

$$\frac{F(x)}{x - 6 + 20} = \lim_{x^2 - 3x^2} \frac{2x^4 + 1}{x^2 - 3x^2}$$

$$\frac{A(x)}{B(x)} \xrightarrow{A} = \frac{A}{A} + \lim_{x \to \infty} \frac{A}{A} = \lim_{x \to \infty} \frac{A}$$

 $ext{P}(x) = \sqrt{x^2 - 2x}$ et def m J-2,0] U [2,+0] lim &(x) = +00 x-s + 00 on destree $\frac{2}{\times} = \frac{3}{2} = \frac{3}{2} = \frac{3}{2} = \frac{3}{2}$ $f(x) - 1 \times = \sqrt{2} - 2x - x = (\sqrt{2} - 2x - x)(x^2 - 2x + x)$ \times^{2} - 2× -× eg os. Olds y = x-1 es simistres (x -o - oo) per outere le denon -x>0 $\frac{\sqrt{x^2-2x^2}}{\times} = \frac{\sqrt{x^2-2x}}{-x}$ P(x)-(-4)-x= P(x)+x= Jx2-2x+x= $(\sqrt{\sqrt{x^2-2x}-x})(\sqrt{\sqrt{x^2-2x}-x})$ $\sqrt{2}$ $2\times$ $-\times$ _> 1 eq 0> ode sin. y = -x+1

