$$\begin{vmatrix}
\frac{1}{32}
\end{vmatrix} \quad \frac{y^{2} + 2\alpha x = 0}{2\gamma y^{1} + 2\alpha x = 0} \quad 2\gamma y^{1} + \left(-\frac{y^{2}}{x}\right) = 0$$

$$y' = \frac{y^{8}}{x} \cdot \frac{1}{2y} = \frac{y}{2x}$$

$$y'_{ort} = -\frac{1}{y'} = -\frac{2x}{y} \quad y dy = -\frac{x}{y}$$

$$\frac{1}{2}y^{2} = -\frac{2x^{2} + C}{2}$$

$$y' = n\alpha x^{h-1} - y' = -\frac{x}{y}$$

$$y' = -\frac{x}{y}$$

 $\frac{1}{2}y^2 = -\frac{x^2}{2h} + c$   $y^2 + \frac{1}{h}x^2 = c$ 

xx+xx=ax tajecticias estoponous

$$\frac{dy}{dx} = \frac{y^{k-1}}{x^{k-1}} \qquad \int \frac{dy}{y^{k-1}} = \int \frac{dx}{x^{k-1}}$$

$$\frac{y^{2-k}}{2^{-k}} = \frac{x^{2-k}}{2^{-k}} + c$$

[1.35] Det. eq. trj. orlegovais
$$y^2 + x^2 = ax^4$$

R:

 $M(9) = \exp \left[ - \left( -\frac{1}{4} dy \right) \right] = \gamma$   $\times \sqrt{2} dx + \left( 2\gamma^{3} + x^{2} 4 \right) dy = 0$   $\int_{0}^{x} + \gamma^{2} dt + \int_{0}^{y} 2t^{3} + x_{0}^{2} t dt = C$ 

YZ+1×+2+1/2=C YZ+2=C -

x2y2-4ax2=0 Det. ef. trajedors

$$y^{2} + 2x y y' - 8ax = 0$$

$$2x y' = 8ax - y^{2}$$

$$y' = \frac{8ax - y^{2}}{2xy} = \frac{8x^{2}x - y^{2}}{2xy}$$

$$x' = \frac{2y^{2} - y^{2}}{2xy} = \frac{y^{2}}{2xy}$$

$$y' = \frac{2y^{2} - y^{2}}{2xy} = \frac{y^{2}}{2xy}$$

$$y' = \frac{2y^{2} - y^{2}}{2xy} = \frac{y^{2}}{2x}$$

$$y' = \frac{2x^{2} + 2x = 0}{2xy}$$

$$2x dx + y dy = 0$$

Solucas:

$$y = a \times e^{x}$$
 $y' = a e^{x} + a \times e^{x} = a(e^{x} + xe^{x})$ 
 $y' = a(e^{x} + xe^{x})$ 

$$\alpha = \frac{\gamma'}{(e^{x} + xe^{x})}$$

$$y' = - \times$$
 $y(1+x)$ 
 $y' = - \times$ 
 $(+x)$ 

$$y dy = -\left(\frac{1+x-1}{1+x}\right) dx = -\left(1-\frac{1}{x+1}\right) dx$$

$$\frac{2}{\lambda_5} = - \times + |\mu(\lambda+1) + C$$

$$y^{2} = -2x + |n(x+n)^{2} + c$$