$$\frac{Ax+B}{ax^{2}+bxec}$$

$$\frac{3x-5}{x^{3}-1} = \frac{A}{x^{2}-1} + \frac{Bx+C}{x^{2}+x+1}$$

$$3x-5 = A(x^{2}+x+1) + (Bx+C)(x-1)$$

$$x^{2} A + B = 0 \Rightarrow B = -A = \frac{2}{3}$$

$$x^{1} A - B + C = 3 \text{ } 0$$

$$x^{0} A - C = -5 \Rightarrow C = A+5 = 5 - \frac{2}{3} = \frac{13}{3}$$

$$0 \Rightarrow A + A + A+5 = 3$$

$$3A = -2 \Rightarrow A = -\frac{2}{3}$$

$$3x-5 = -\frac{2}{3} + \frac{2}{3}x + \frac{13}{3}$$

$$x^{3}-1 = \frac{2}{3} + \frac{2}{3}x + \frac{13}{3}$$

$$\frac{(x^{2} + x)^{2}}{(x^{2} + u)^{2}} = \frac{1}{(x^{2} + u)^{2}} + \frac{(x + D)}{(x^{2} + u)^{2}}$$

$$x^{3} + x^{2} = (Ax + d)(x^{2} + u) + (Cx + D)$$

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

$$x^{4} = \frac{1}{(x^{2} + u)^{2}}$$

$$x^{5} = \frac{1}{(x^{2} + u)^{2}}$$

$$x^{6} = \frac{1}{(x^{2} + u)^{2}}$$

$$x^{7} = \frac{1}{(x^{2} + u)^{2}}$$

$$\frac{A}{X(X-I)} = \frac{A}{X} + \frac{B}{X-I}$$

$$4 = A(X-I) + BX$$

$$X' A + B = D \Rightarrow B = 24$$

$$X'' - A = U \Rightarrow A = -4$$

$$\frac{U}{X(X-I)} = \frac{U}{X} + \frac{U}{X-I}$$

$$\frac{3x}{(x+2)(x-1)} = \frac{A}{x+2} + \frac{B}{x-1}$$

$$3x = A(x-1) + D(x+2)$$

$$x' A + B = 3$$

$$x^{\circ} - A + 2B = 0$$

$$3A = 3 \Rightarrow B = 1$$

$$A = +21$$

$$(x+2)(x-1) = \frac{A}{x+2} + \frac{1}{x-1}$$

$$\frac{AU}{(x+1)(x^2+4)} = \frac{A}{x+1} + \frac{Bx+C}{x^2+4}$$

$$1 = A(x^2+4) + (Ax+C)(x+1)$$

$$x^2 A+B = 0 \Rightarrow A = -B = \frac{1}{5}$$

$$x^1 B+C = 0 C = -B = \frac{1}{5}$$

$$x^0 4A+C = 1$$

$$-4B-B = 1$$

$$-5$$

$$B = -\frac{1}{5}$$

$$(x+1)(x^2+4) = \frac{1}{5}x+\frac{1}{5}$$

$$x^2+4$$

$$\frac{2x^{2}+9y^{2}=18}{18}$$

$$\frac{x^{2}}{18}+\frac{y^{2}}{18}=1$$

$$\frac{x^{2}}{9}+\frac{y^{2}}{2}=1$$

$$\alpha=\pm3$$

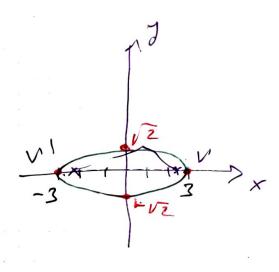
$$a = \pm 3$$
  
Vértices:  $(\pm 3,0)$   
 $M(0,\pm \sqrt{2})$ 

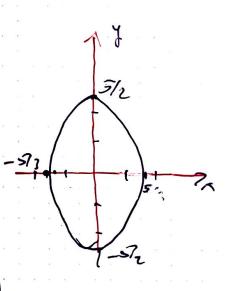
foci: 
$$c^2 = a^2 - b^2$$
  
= 7

$$\frac{4x^{2} + 4y^{2} = 25}{25} + \frac{4y^{2}}{25} = 1$$

$$\frac{25}{9} + \frac{5}{4} = 1$$

$$\frac{5}{2} + \frac{5}{2} = 1$$





16x2+972+64x-187-71=0 16x2+64x \_+492-18y = 71 16 (x2+4x+(4)) + 9(y2-2y+(3)=71+64+9  $16(x+2)^{2}+9(y-1)^{2}=$  $(X+2)^2 + (7-1)^2 = 1$ 

$$\frac{x^{2}}{20^{2}} + \frac{y^{2}}{10^{2}} = 1$$

$$\frac{5^{-2}}{20^{2}} + \frac{y^{2}}{10^{2}} = 1$$

$$\frac{y^{2}}{10^{2}} = 1 - \frac{25}{400}$$

$$y^{2} = 10^{2} \left( \frac{375}{20^{2}} \right)$$

$$y = \frac{10}{20} \sqrt{375}$$

$$= \frac{1}{2} \sqrt{375}$$