$$\frac{Ax + B}{ax^{2} + bx + c}$$

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

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

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

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

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

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

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

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

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

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

$$x^{3} + x^{2} = 1$$

$$x^{2} + u + c = 0 \implies c = -u$$

$$x^{0} + u + d = 0 \implies d = -u$$

$$x^{0} + u + d = 0 \implies d = -u$$

$$\frac{x^{3} + x^{2}}{(x^{2} + u^{2})^{2}} = \frac{x + i}{x^{2} + u} + \frac{-ux - u}{(x^{2} + u^{2})^{2}}$$

$$\frac{A}{X(X-1)} = \frac{A}{X} + \frac{B}{X-1}$$

$$4 = A(X-1) + BX$$

$$X' A + B = D \Rightarrow B = 4$$

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

$$\frac{U}{X(X-1)} = \frac{U}{X} + \frac{U}{X-1}$$

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

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

$$x' A + B = 3$$

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

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

$$4 = +21$$

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

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

$$1 = A(x^{2}+4) + (Ax+c)(x+1)$$

$$1 = A$$

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

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

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

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

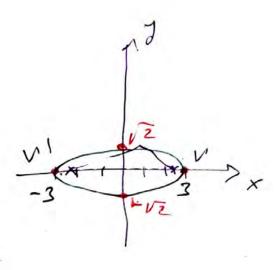
$$a = \pm 3$$

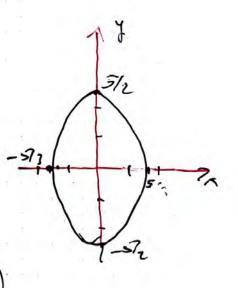
Vertices: $(\pm 3,0)$
 $M(0,\pm \sqrt{2})$
 $foci: c^2 = a^2 - b^2$

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

= 7

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





16x2+9y2+64x-18y-71=0 16 (x2+4x+(4))+9(y2-2y+(-))=71+64+9 $16(x+2)^{2}+9(y-1)^{2}=144$ $\frac{(x+2)^2}{9} + \frac{(z-1)^2}{16} = 1$

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

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

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

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

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

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