- /lisse PFI+PFz=2a F (-c;0) Fz(C,0) $\sqrt{(x+c)^2 + y^2} + \sqrt{(x-c)^2 + y^2} = 2a$ $\sqrt{x^2 + 2cx + c^2 + y^2} = 2a - \sqrt{x^2 - 2cx + c^2 + y^2}$ 12-20x+6+4=40-401x-71x+2+4 40 [x2-20x+2+4] = 602 - 40 x $a\sqrt{x^2-2cx+c^2+y^2} = a^2-cx$

22222422 ax-2acx+ac+ay=a+cx-2acx

$$(a^{2}-c^{2}) \times^{2} + a^{2}y^{2} = a^{2}(a^{2}-c^{2})$$

$$Foniomo \quad a^{2}-c^{2} = b^{2}$$

$$b^{2} \times^{2} + a^{2}y^{2} = a^{2}b^{2}$$

$$\times^{2} + b^{2} = 1$$

$$a^{2}-c^{2}=b^{2} \Rightarrow e^{2}=a^{2}-b^{2}$$

$$T_{1}(-a^{2}-b^{2}; o) F_{2}(a^{2}-b^{2}; o)$$

$$\frac{x^2}{25} + \frac{y^2}{9} = 1$$

$$x = 0$$
 => $y^2 = 9$ => $y = \pm 3$
 $y = 0$ => $x^2 = 25$ => $x = \pm 5$

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

$$\frac{1}{2} = \frac{2}{2} = \frac{2}{2} = \frac{\sqrt{a^2 - b^2}}{2}$$

$$e = 0 \Rightarrow c = 0 \Rightarrow circle$$

$$\int_{0}^{2} x^{2} + a^{2}y^{2} = a^{2}b^{2}$$

$$y - y_{0} = m(x - x_{0})$$

$$x^{2}+y^{2}+ax+by+c=3$$

$$y^{2}+by+(x^{2}+ax+d)=3$$

$$b^{2}x^{2}+ay^{2}-ab^{2}$$

$$a^{2}y^{2}-a^{2}b^{2}$$

$$y^{2}-b^{2}(a^{2}-x^{2})$$

$$y^{2}-b^{2}(a^{2}-x^{2})$$

$$y^{2}-b^{2}(a^{2}-x^{2})$$

$$y^{2}-a\leq x$$

$$x^{2}-x^{2}>0$$

$$-a\leq x\leq a$$

$$\frac{x^{2}}{K+5} + \frac{y^{2}}{3K-1} = 1$$

$$3K-1 > K+5$$

$$3K-1 > 0$$

$$4y = -x^{2}+1$$

$$4y = -x^{2}+1$$

$$x^{2}+4y^{2}=1$$

$$x^{2}+4y^{2}=1$$

$$x^{2}+4y^{2}=1$$

$$2[1-x^{2}] > -x - 1$$

$$y = 2[1-x^{2}] > -x - 1$$

$$y^{2} = 1-x^{2} + y^{2} = 1$$

$$y = -x - 1$$

$$y = -x - 1$$

$$x = y - x - 1$$