Conic rection is called focus, fixed line is called dilectour fixed point PM = e + f.D e = eccentracion sp=e*pm* š (24 p) focus fixed point (a^2+b^2) $[(x_1-a)^2+(y_1-p)^2] = e^2(ax^2+by_1+c)^2$ (a,-d) + (9,-p) = e 2 | ax + by, +c | 2 General egn of conic > ax2+2hxy+by2+2gx+2fy+(=0 -> Nature of come. If \$ =abc+2fgh-af'-bg'-ch2 to at is a conic passe of real & dortnet somes O ext & P2ab pulse of seeal & concuerent lines Desi & hzab Imaginary & Pake of lines @ exl & htrab O e=1, h²zab → parabola De >1, b2, ab - hyperbola B e=√2, a+b=0, h²>ab → quectarque hyperbota Doce 1, h2 zab → ellipse 6 a=6, e=0, h=0 → cock 6 e- 00 - pain of line -> Centre of conie is a point through withth every choice is binete applicable for any conic