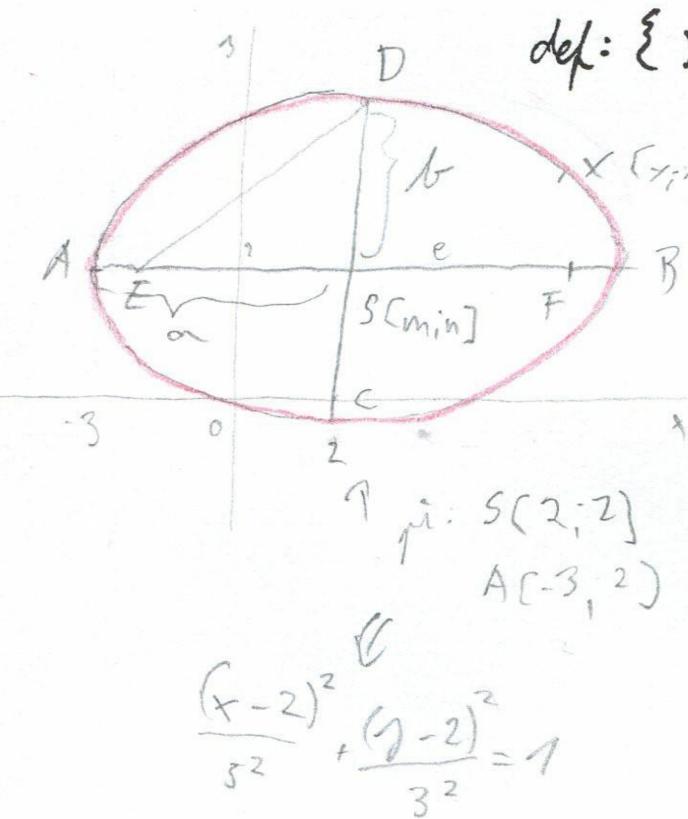


$$x^2 + y^2 - 2mx - 2my + p = 0$$
 .... obecné rounie bružnice  
 $p = m^2 + n^2 - r^2$ 

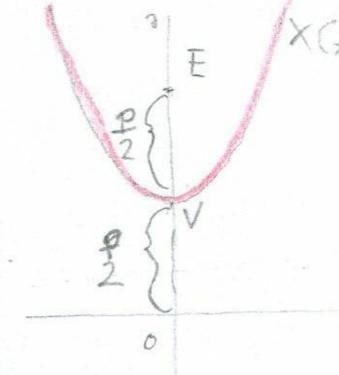
## ELIPSA



$$\frac{(x-m)^2}{\alpha^2} + \frac{(y-m)^2}{\sqrt{b^2}} = 1$$

$$p \times 2 + q y^R + 2r \times + 2sy + 4 = 0 \dots \text{ observation in (nejen) elipsy}$$

## PARABOLA



def: mnotina viede bodie, likié mají skýmou isolatenost od bodu Fa prímky q

 $(x-m)^2 = \pm 2p(y-m)$  ... Vycholová vouvice paraboly  $(x-m)^2 = \pm 2p(x-m)$ 

V[m;n]... vrchol E[m;n=f]resp. [m=f;m]... ohnisko

x2 + 2rx +25y + +=0 32+25x +2ry + +=0

... observe rounire paraboly

HYPERBOLA

def: E, F: mmoz. wiech bods x, lede ||xE1-|xF|| > OA ||XE1-|XFI| < |EF| Freque (x-m) 2 (n-m)2 = 1 J= Kx+c... asymptoh

SIming... street hyperboy

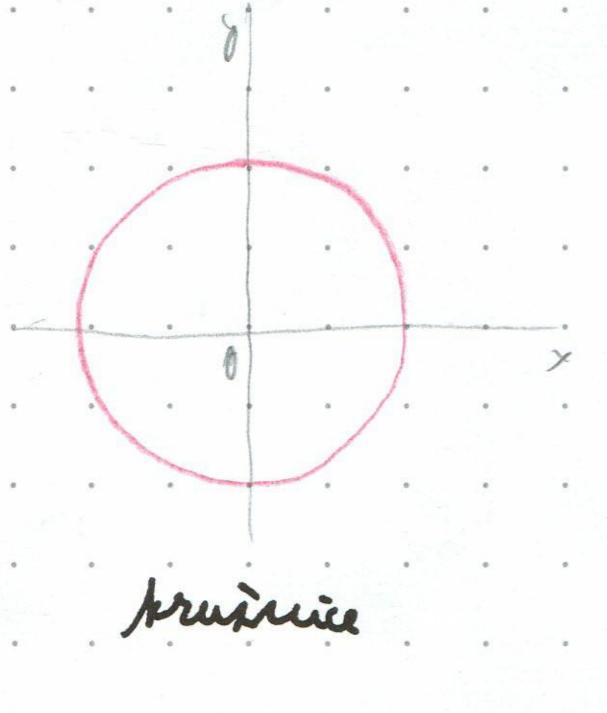
A,B... wolog hyperboy

1ASI=1735/... hours poloosa IESI=1451... yophidnost EF... hlavutosa P + = EF ... Vedlegor ora

- holyè (x-m² - (y-m² -1 ... hlavní osa rounoběžná s osou x - holys - \( \frac{1}{a^2} + \frac{1}{b^2} = 1 \ldots \ldots \ldots \delta \del X

- asymboly a definire shiedové source joon = ± 3-m px2 q32+2rx+25y, t=0 ... obeen tel nejen lypubol

## KUZELOSECKY



elipsa

perebola

hyperbola

-vsechny by de kning ne dagi vy jædvit novnici

ax2+26xy+cy2+2dx+ey+F=0

kruznice: y (xis.)

def: { XEP: |X: 51= 2: 120}

 $\sqrt{(x-m)^2+(y-n)^2}=r$ 

obeené rouvice broince:  $x^2 + y^2 + Ax + By + C = 0$ (ale musice le platit i per vice jointhe mer klassice)

elipsa:

A \( \xi\_{(e,0)} \) \( \si\_{(e,0)} \) \

def: 2xxP: |Ex|+|Fx|=2a3; a ER+; a=e3

E; F... ohnista 5 - EF stred

|ES/= |FS/...ohuishova vadalendel

A; B... bloom vrobolg.

11xF1-14E11 = 2a

|EX1 + |FX1 = 2a

 $\sqrt{(x+e)^2+y^2} + \sqrt{(x-e)^2+y^2} = 2a$ 

 $\frac{\chi^2}{\alpha^2} + \frac{\gamma^2}{\alpha^2 - \epsilon^2} = 1$ 

 $\frac{(x-m)^2}{a^2} + \frac{(y-m)^2}{b^2} = 1$ 

hyperbola:

 $E_i F_{...obwisha}$  hyperboly  $a^2 + b^2 = e^2$ 

obeené rovnice: px² + qy² + 2rx + 2sy + += 0

parabola:

def: (x-m)² = ± 2p(y-m)² ... videolova kovuia

V... vrchol paraboly F... ohnisho

obleva rovnie:
$$x^2 + 2rx + 2sy + t = 0$$