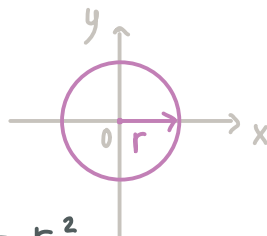


## 2 KUŽELOSEČKY

• KRUŽNICE

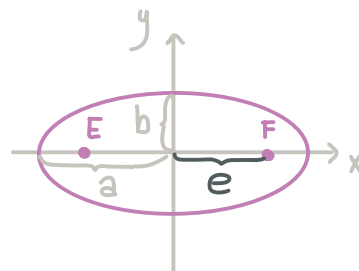
$$x^2 + y^2 = r^2$$



$$S[m, n] \quad (x-m)^2 + (y-n)^2 = r^2$$

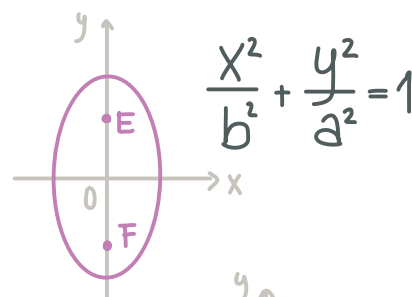
• ELIPSA

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



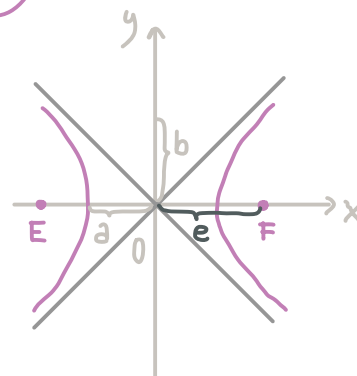
$$S[m, n] \quad \frac{(x-m)^2}{a^2} + \frac{(y-n)^2}{b^2} = 1$$

excentricita:  $e^2 = a^2 - b^2$



• HYPERBOLA

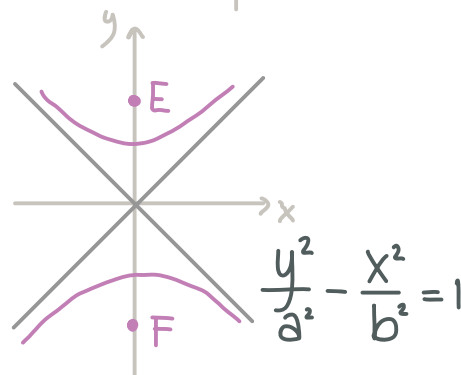
$$\frac{x^2}{a^2} - \frac{y^2}{b^2} = 1$$



$$S[m, n] \quad \frac{(x-m)^2}{a^2} - \frac{(y-n)^2}{b^2} = 1$$

excentricita:  $e^2 = a^2 + b^2$

asymptoty:  $y = \pm \frac{b}{a} x$

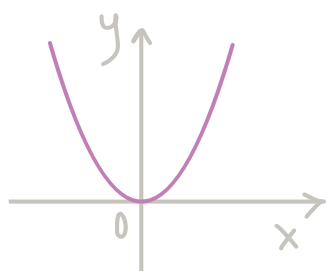
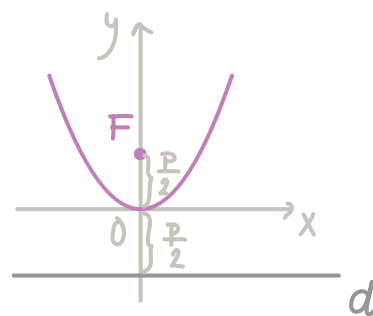


• PARABOLA

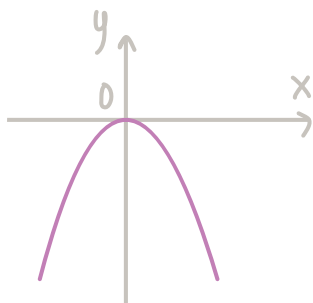
$$x^2 = \pm 2py$$

$$V [m, n] \quad (x - m)^2 = \pm 2p(y - n)$$

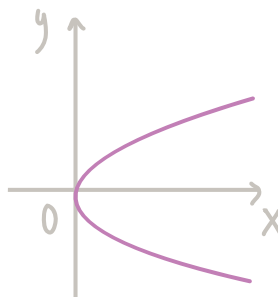
d... řídicí přímka



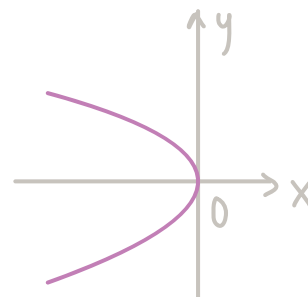
$$x^2 = 2py$$



$$x^2 = -2py$$



$$y^2 = 2px$$



$$y^2 = -2px$$

