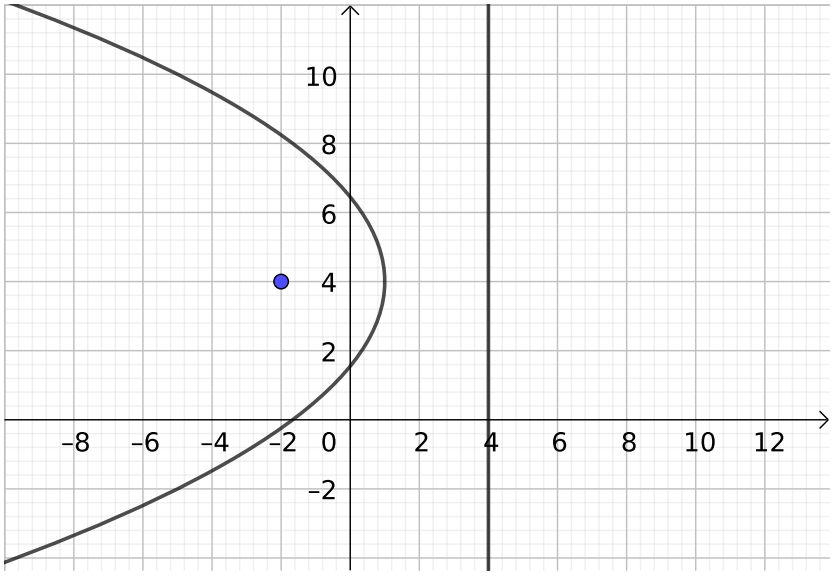
Př: 4: Vrchol leží v polovině mezi F a průmětu F na F (tedy $[4;4]$):

$$S[1;4]$$

$2p = |-2-4| = 6$
$6x' = -y'^2$

$$6(x-1) = -(y-4)^2$$



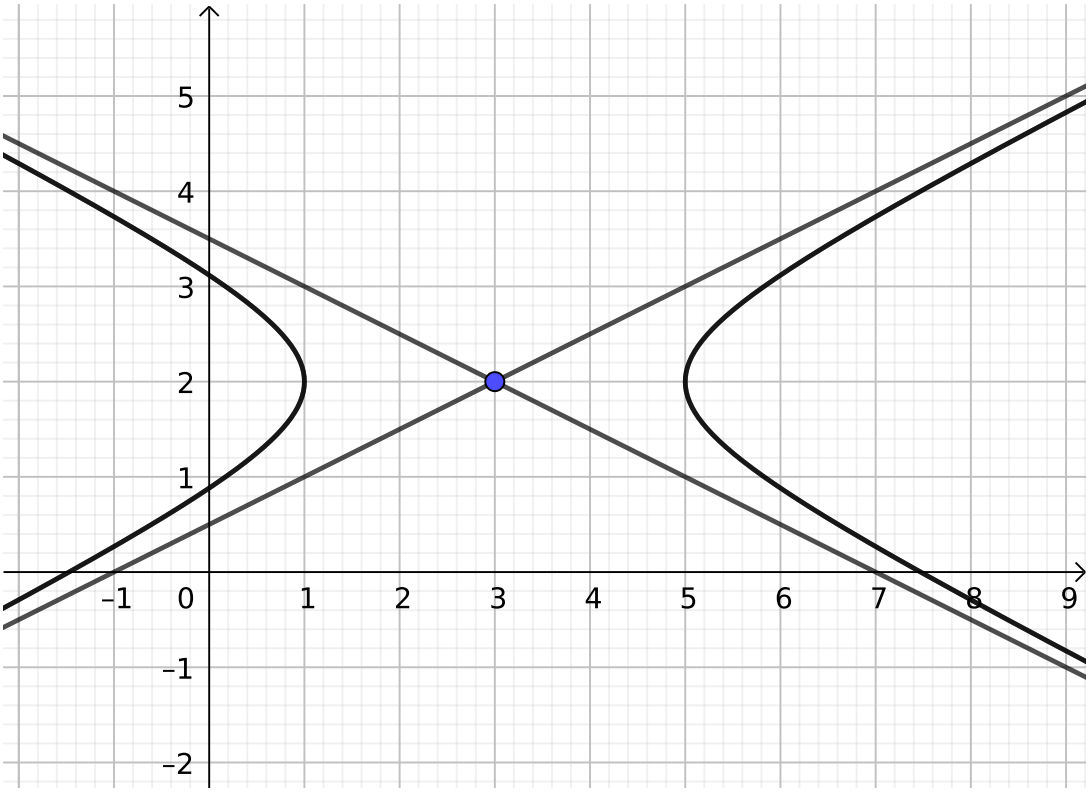
Př: 5:

$$K : (x-3)^2 - 4(y-2)^2 = 11 + 9 - 16 = 4$$
$$K : \frac{(x-3)^2}{4} - (y-2)^2 = 1$$

hyperbola

$$\begin{aligned} S &= [\quad 3 \quad ;2] \\ A_1 &= [\quad 1 \quad ;2] \\ A_2 &= [\quad 5 \quad ;2] \\ F &= [3-\sqrt{5};2] \\ G &= [3+\sqrt{5};2] \end{aligned}$$

$a : y - 2 = \frac{x-3}{2}$ $a' : y - 2 = -\frac{x-3}{2}$


5
4
3
2
1
−1
−2
−1
0
1
2
3
4
5
6
7
8
9