

Opakování – elipsa A

obecná rce	středová rce	pol.	střed	a	b	e	ohniska	hl. vrcholy	vedl.vrcholy
$4x^2 + 9y^2 - 24x - 18y + 9 = 0$	$\frac{(x-3)^2}{9} + \frac{(y-1)^2}{4} = 1$	I.	[3;1]	3	2	$\sqrt{5}$	$[3 \pm \sqrt{5}; 1]$	[0;1] [6;1]	[3;3] [3;-1]
$16x^2 + 4y^2 + 64x - 24y + 36 = 0$	$\frac{(x+2)^2}{4} + \frac{(y-3)^2}{16} = 1$	II.	[-2;3]	4	2	$2\sqrt{3}$	$[-2; 3 \pm 2\sqrt{3}]$	[-2;7] [-2;-1]	[-4;3] [0;3]
$4x^2 + y^2 + 16x - 6y - 7 = 0$	$\frac{(x+2)^2}{8} + \frac{(y-3)^2}{32} = 1$	II.	[-2;3]	$4\sqrt{2}$	$2\sqrt{2}$	$2\sqrt{6}$	$[-2; 3 \pm 2\sqrt{6}]$	$[-2; 3 \pm 4\sqrt{2}]$	$[-2 \pm 2\sqrt{2}; 3]$
$5x^2 + 9y^2 - 10x + 18y - 31 = 0$	$\frac{(x-1)^2}{9} + \frac{(y+1)^2}{5} = 1$	I.	[1;-1]	3	$\sqrt{5}$	2	$\begin{bmatrix} -1; -1 \\ 3; -1 \end{bmatrix}$	[-2;-1] [4;-1]	$[1; -1 \pm \sqrt{5}]$

Doplňte tabulku. [zpět](#)