

Soustavy lineárních rovnic o dvou neznámých #4

1)

$$\begin{aligned}2x + 4y + 4 &= 4x + y + 3 \\2x - y - 2 &= -2x + y - 12\end{aligned}$$

2)

$$\begin{aligned}-3x - 5y - 6 &= 2x - 2y \\-3x + y + 6 &= -2x + 4y\end{aligned}$$

3)

$$\begin{aligned}-2x + 6y + 8 &= x + 4y + 17 \\-2x + y + 4 &= 4x + 4y + 1\end{aligned}$$

4)

$$\begin{aligned}2x - 5y + 8 &= 3x - y + 31 \\-7x - 2y + 3 &= -x - 3y + 16\end{aligned}$$

5)

$$\begin{aligned}-5x + 2y + 3 &= -4x + y + 3 \\-6x - 3y + 4 &= -x + 3y - 29\end{aligned}$$

6)

$$\begin{aligned}-4x - 2y + 5 &= -2x + 4y - 5 \\-3x + 7y - 1 &= -4x + 3y + 7\end{aligned}$$

7)

$$\begin{aligned}5x - 3y - 3 &= -x + 3y + 15 \\-4x - 2y - 3 &= -3x - y - 8\end{aligned}$$

8)

$$\begin{aligned}5x + 4y + 5 &= -x + 2y + 1 \\-2x - 10y + 1 &= -3x - 4y - 25\end{aligned}$$

9)

$$\begin{aligned}-3x + 3y - 3 &= 2x + y - 17 \\-6x - 5y + 5 &= -x - 3y - 21\end{aligned}$$

10)

$$\begin{aligned}8x - 2y - 1 &= 2x + 2y - 9 \\-7x - 5y - 3 &= -x - 3y - 25\end{aligned}$$

11)

$$\begin{aligned}2x + y + 4 &= 3x - 3y - 10 \\-x + 7y + 4 &= -3x + 3y - 28\end{aligned}$$

12)

$$\begin{aligned}-6x - 9y + 4 &= -x - 4y - 1 \\6x + 5y - 1 &= 2x + 4y + 6\end{aligned}$$

13)

$$\begin{aligned}6x + 6y - 4 &= 2x + 4y + 12 \\2x + 3y - 1 &= x + 4y - 3\end{aligned}$$

14)

$$\begin{aligned}-x + y - 5 &= -4x - 4y - 2 \\-2x + 2y + 8 &= -4x - y + 9\end{aligned}$$

Řešení:

- 1) [-4; -3]; 2) [-3; 3]; 3) [-1; 3]; 4) [-3; -5]; 5) [3; 3]; 6) [-4; 3]; 7) [4; 1];
8) [-2; 4]; 9) [4; 3]; 10) [2; 5]; 11) [-6; -5]; 12) [2; -1]; 13) [2; 4]; 14) [-4; 3]