

Soustavy lineárních rovnic o dvou neznámých #2

1)

$$\begin{aligned}x - 3y + 4 &= -2x + y - 13 \\2x + 4y + 6 &= x + 2y + 17\end{aligned}$$

2)

$$\begin{aligned}2x + 4y + 7 &= -2x + 2y + 11 \\6x - 4y - 1 &= x - y - 18\end{aligned}$$

3)

$$\begin{aligned}4x + 3y + 1 &= x + 2y \\-9x - 2y + 5 &= -4x + 2y + 16\end{aligned}$$

4)

$$\begin{aligned}6x + 2y - 8 &= 4x + 4y - 20 \\4x + 7y + 1 &= -x + 2y + 21\end{aligned}$$

5)

$$\begin{aligned}-x - 4y - 1 &= 3x - 3y + 18 \\3x + 7y + 2 &= x + 4y - 5\end{aligned}$$

6)

$$\begin{aligned}-x - 2y + 5 &= -3x + 3y - 1 \\5x - 8y + 8 &= 4x - 3y\end{aligned}$$

7)

$$\begin{aligned}x - 7y + 8 &= -2x - 4y + 14 \\x - 3y + 8 &= -2x - 4y - 2\end{aligned}$$

8)

$$\begin{aligned}3x + 4y - 7 &= x - y + 15 \\-2x - 4y - 7 &= 3x - y - 43\end{aligned}$$

9)

$$\begin{aligned}-6x + y - 3 &= -2x - y - 5 \\-3x - y - 5 &= -x - 3y - 11\end{aligned}$$

10)

$$\begin{aligned}-8x - y - 2 &= -4x + 4y - 1 \\-4x - 9y - 8 &= 2x - 4y + 1\end{aligned}$$

11)

$$\begin{aligned}-8x - 2y - 4 &= -3x + y - 14 \\-x - 7y - 4 &= 3x - 3y - 20\end{aligned}$$

12)

$$\begin{aligned}-3x + 7y - 3 &= 2x + y - 32 \\2x + 9y - 2 &= -x + 3y - 23\end{aligned}$$

13)

$$\begin{aligned}x + 7y + 6 &= -3x + 4y + 1 \\2x - y + 4 &= -2x + 2y - 7\end{aligned}$$

14)

$$\begin{aligned}-8x - 3y + 2 &= -2x - 4y + 11 \\x + 3y - 3 &= -4x - 2y + 7\end{aligned}$$

Řešení:

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