Matikář.cz

Soustavy lineárních rovnic o dvou neznámých #2

1)

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

2)

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

3)

$$\begin{aligned} -3x &+ 3y &&= -6 \\ -4x &+ 3y &&= -9 \end{aligned}$$

4)

$$\begin{aligned} -2x & &&= 2 \\ & -3y &&= 9 \end{aligned}$$

5)

$$\begin{aligned} -4x &- 2y &&= -14 \\ 4x &+ 3y &&= 17 \end{aligned}$$

6)

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

7)

$$\begin{aligned} x &- 2y &&= -1 \\ 2x &- 2y &&= 0 \end{aligned}$$

8)

$$\begin{aligned} -2x &- 4y &&= -4 \\ -3x &+ 4y &&= 24 \end{aligned}$$

9)

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

10)

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

11)

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

12)

$$\begin{aligned} 2x &- 2y &&= 0 \\ & 2y &&= 0 \end{aligned}$$

13)

$$\begin{aligned} -x &+ 4y &&= 15 \\ 3x &- y &&= -12 \end{aligned}$$

14)

$$\begin{aligned} -3x & &&= 9 \\ -3x &- 4y &&= 25 \end{aligned}$$

15)

$$\begin{aligned} x &- y &&= -3 \\ 4x &- 3y &&= -8 \end{aligned}$$

Řešení:
1) [0; –2]; 2) [–2; –3]; 3) [3; 1]; 4) [–1; –3]; 5) [2; 3]; 6) [0; –1]; 7) [1; 1]; 8) [–4; 3]; 9) [–4; 4]; 10) [3; –4]; 11) [–3; –2]; 12) [0; 0]; 13) [–3; 3]; 14) [–3; –4]; 15) [1; 4]