Lineare Gleichungssysteme mit drei Unbekannten

1) $$\begin{aligned} -4x - 3y - 2z &= -20 \\ 4x - 1y + 2z &= 12 \\ 3x - 2y + 3z &= 11 \end{aligned}$$

2) $$\begin{aligned} -2x + 4y - 1z &= -14 \\ -1x + 4y + 3z &= -2 \\ -2x + 3y - 4z &= -19 \end{aligned}$$

3) $$\begin{aligned} 4x + 4y - 4z &= -20 \\ -1x + 4y - 4z &= -10 \\ -4x + 2y + 2z &= 10 \end{aligned}$$

4) $$\begin{aligned} 3x + 1y + 4z &= 26 \\ -1x + 4y + 1z &= 5 \\ -1x + 4y + 3z &= 13 \end{aligned}$$

5) $$\begin{aligned} 1x - 4y + 1z &= -11 \\ 1x - 2y + 4z &= 4 \\ -3x + 4y + 2z &= 24 \end{aligned}$$

6) $$\begin{aligned} 3x + 1y + 4z &= 25 \\ 3x - 1y + 2z &= 17 \\ -2x - 4y + 3z &= 24 \end{aligned}$$

7) $$\begin{aligned} -3x + 3y + 1z &= -17 \\ -2x + 2y - 1z &= -13 \\ 2x + 2y + 1z &= 1 \end{aligned}$$

8) $$\begin{aligned} 1x + 1y + 1z &= 2 \\ -3x + 2y - 1z &= -19 \\ 1x - 4y + 2z &= 33 \end{aligned}$$

9) $$\begin{aligned} 1x + 4y - 1z &= -17 \\ -2x + 4y - 1z &= -23 \\ 1x + 3y + 2z &= -4 \end{aligned}$$

10) $$\begin{aligned} -4x - 4y + 1z &= 16 \\ -2x + 4y - 3z &= -48 \\ 4x + 4y - 1z &= -16 \end{aligned}$$

1) L = {(2 / 2 / 3)}

2) L = {(4 / -1 / 2)}

3) L = {(-2 / -1 / 2)}

4) L = {(3 / 1 / 4)}

5) L = {(-2 / 3 / 3)}

6) L = {(1 / -2 / 6)}

7) L = {(3 / -3 / 1)}

8) L = {(1 / -5 / 6)}

9) L = {(2 / -4 / 3)}

10) L = {(4 / -7 / 4)}