

Systèmes Linéaires (J)

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned}1. \quad & a + 4b - 4z = 7 \\& -3a + b - z = 18 \\& 3a - 2b - 3z = -26\end{aligned}$$

$$\begin{aligned}5. \quad & 2a + c - y = 6 \\& -a + 5c - 2y = 9 \\& -3a - 5y = -29\end{aligned}$$

$$\begin{aligned}2. \quad & -5a + 6b + 5u = 50 \\& 3a - 5b = -37 \\& -2b + 4u = -10\end{aligned}$$

$$\begin{aligned}6. \quad & 4c + 3x - z = 5 \\& 4c - 2x + 2z = -10 \\& -c + 6x = 19\end{aligned}$$

$$\begin{aligned}3. \quad & 5a - u + y = 5 \\& -3a - 4u + 3y = 19 \\& 5a + 2u - y = -9\end{aligned}$$

$$\begin{aligned}7. \quad & 5b - 2c - 5x = 8 \\& 4b + 2c - 3x = 14 \\& 6b - 2c + 3x = 46\end{aligned}$$

$$\begin{aligned}4. \quad & -2a - 4b - 5c = -56 \\& a - 3b - 2c = -20 \\& -5a + 3b = -12\end{aligned}$$

$$\begin{aligned}8. \quad & 6c + u + 3x = -21 \\& 2c + 5u - 4x = -21 \\& 5c - 5u + 5x = 0\end{aligned}$$

Systèmes Linéaires (J) Solutions

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned}1. \quad & a + 4b - 4z = 7 \\& -3a + b - z = 18 \\& 3a - 2b - 3z = -26 \\& \textcolor{red}{a = -5, b = 4, z = 1}\end{aligned}$$

$$\begin{aligned}5. \quad & 2a + c - y = 6 \\& -a + 5c - 2y = 9 \\& -3a - 5y = -29 \\& \textcolor{red}{a = 3, c = 4, y = 4}\end{aligned}$$

$$\begin{aligned}2. \quad & -5a + 6b + 5u = 50 \\& 3a - 5b = -37 \\& -2b + 4u = -10 \\& \textcolor{red}{a = -4, b = 5, u = 0}\end{aligned}$$

$$\begin{aligned}6. \quad & 4c + 3x - z = 5 \\& 4c - 2x + 2z = -10 \\& -c + 6x = 19 \\& \textcolor{red}{c = -1, x = 3, z = 0}\end{aligned}$$

$$\begin{aligned}3. \quad & 5a - u + y = 5 \\& -3a - 4u + 3y = 19 \\& 5a + 2u - y = -9 \\& \textcolor{red}{a = 0, u = -4, y = 1}\end{aligned}$$

$$\begin{aligned}7. \quad & 5b - 2c - 5x = 8 \\& 4b + 2c - 3x = 14 \\& 6b - 2c + 3x = 46 \\& \textcolor{red}{b = 6, c = 1, x = 4}\end{aligned}$$

$$\begin{aligned}4. \quad & -2a - 4b - 5c = -56 \\& a - 3b - 2c = -20 \\& -5a + 3b = -12 \\& \textcolor{red}{a = 6, b = 6, c = 4}\end{aligned}$$

$$\begin{aligned}8. \quad & 6c + u + 3x = -21 \\& 2c + 5u - 4x = -21 \\& 5c - 5u + 5x = 0 \\& \textcolor{red}{c = -3, u = -3, x = 0}\end{aligned}$$