

Systèmes Linéaires (F)

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned}1. \quad & 6u - v - 4y = -17 \\& -u - 2v + y = 0 \\& 4u - 2v + 5y = -28\end{aligned}$$

$$\begin{aligned}5. \quad & -2b - v + 3x = 13 \\& -3b + 5v - x = -13 \\& -4b + v = 11\end{aligned}$$

$$\begin{aligned}2. \quad & 4a + v - z = 0 \\& 4a + 2v + 5z = -17 \\& -v - 5z = 14\end{aligned}$$

$$\begin{aligned}6. \quad & c + x - 2z = -3 \\& -5c + x - 2z = -9 \\& -c - x + 6z = 23\end{aligned}$$

$$\begin{aligned}3. \quad & c - y + z = 0 \\& -4c + 6y + z = 20 \\& 3c - 5y + 3z = -10\end{aligned}$$

$$\begin{aligned}7. \quad & -2b + 6v + x = 29 \\& -3b + 3v + 5x = 43 \\& 2v - 3x = -9\end{aligned}$$

$$\begin{aligned}4. \quad & 3a - 3b + u = -6 \\& a - 4b + 5u = -14 \\& 4a + 4b + 6u = 24\end{aligned}$$

$$\begin{aligned}8. \quad & -5a - u + v = -9 \\& 3a + u + 3v = 19 \\& -u + v = 6\end{aligned}$$

Systèmes Linéaires (F) Solutions

Trouvez les solutions des systèmes d'équations suivants.

$$\begin{aligned}1. \quad & 6u - v - 4y = -17 \\& -u - 2v + y = 0 \\& 4u - 2v + 5y = -28 \\& \textcolor{red}{u = -4, v = 1, y = -2}\end{aligned}$$

$$\begin{aligned}5. \quad & -2b - v + 3x = 13 \\& -3b + 5v - x = -13 \\& -4b + v = 11 \\& \textcolor{red}{b = -4, v = -5, x = 0}\end{aligned}$$

$$\begin{aligned}2. \quad & 4a + v - z = 0 \\& 4a + 2v + 5z = -17 \\& -v - 5z = 14 \\& \textcolor{red}{a = -1, v = 1, z = -3}\end{aligned}$$

$$\begin{aligned}6. \quad & c + x - 2z = -3 \\& -5c + x - 2z = -9 \\& -c - x + 6z = 23 \\& \textcolor{red}{c = 1, x = 6, z = 5}\end{aligned}$$

$$\begin{aligned}3. \quad & c - y + z = 0 \\& -4c + 6y + z = 20 \\& 3c - 5y + 3z = -10 \\& \textcolor{red}{c = 3, y = 5, z = 2}\end{aligned}$$

$$\begin{aligned}7. \quad & -2b + 6v + x = 29 \\& -3b + 3v + 5x = 43 \\& 2v - 3x = -9 \\& \textcolor{red}{b = -3, v = 3, x = 5}\end{aligned}$$

$$\begin{aligned}4. \quad & 3a - 3b + u = -6 \\& a - 4b + 5u = -14 \\& 4a + 4b + 6u = 24 \\& \textcolor{red}{a = 2, b = 4, u = 0}\end{aligned}$$

$$\begin{aligned}8. \quad & -5a - u + v = -9 \\& 3a + u + 3v = 19 \\& -u + v = 6 \\& \textcolor{red}{a = 3, u = -2, v = 4}\end{aligned}$$