

Systèmes Linéaires (E)

Trouvez les solutions des systèmes d'équations suivants.

1.
$$\begin{aligned} 3a + 4b + 6v &= 14 \\ -5a - 4b + 3v &= 39 \\ 5a - 3b + 4v &= 3 \end{aligned}$$

5.
$$\begin{aligned} -3c + 5x - 4y &= -20 \\ 3c + x + 4y &= -10 \\ -2c - y &= 0 \end{aligned}$$

2.
$$\begin{aligned} 5c - 5u + 5y &= 25 \\ -c + u &= -2 \\ -c - 2u &= -8 \end{aligned}$$

6.
$$\begin{aligned} c + 6u + 2y &= -28 \\ -c + 5y &= -24 \\ -c - y &= 0 \end{aligned}$$

3.
$$\begin{aligned} -4b + 6u + 3z &= 5 \\ 2b - 4u - 5z &= -9 \\ 4b + 6u + 4z &= 38 \end{aligned}$$

7.
$$\begin{aligned} -4b + 3u + 4y &= -9 \\ 5b - 2u - 2y &= 8 \\ -5b + 2y &= -18 \end{aligned}$$

4.
$$\begin{aligned} -3a + c + 6u &= -11 \\ -3a + 4u &= -8 \\ -2a + 6u &= -12 \end{aligned}$$

8.
$$\begin{aligned} -4a - 3v + 4x &= -20 \\ 5a - 2v - 4x &= 1 \\ -5a - 4v &= -21 \end{aligned}$$

Systemes Linéaires (E) Solutions

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & 3a + 4b + 6v = 14 \\ & -5a - 4b + 3v = 39 \\ & 5a - 3b + 4v = 3 \\ & a = -4, b = -1, v = 5 \end{aligned}$$

$$\begin{aligned} 5. \quad & -3c + 5x - 4y = -20 \\ & 3c + x + 4y = -10 \\ & -2c - y = 0 \\ & c = 1, x = -5, y = -2 \end{aligned}$$

$$\begin{aligned} 2. \quad & 5c - 5u + 5y = 25 \\ & -c + u = -2 \\ & -c - 2u = -8 \\ & c = 4, u = 2, y = 3 \end{aligned}$$

$$\begin{aligned} 6. \quad & c + 6u + 2y = -28 \\ & -c + 5y = -24 \\ & -c - y = 0 \\ & c = 4, u = -4, y = -4 \end{aligned}$$

$$\begin{aligned} 3. \quad & -4b + 6u + 3z = 5 \\ & 2b - 4u - 5z = -9 \\ & 4b + 6u + 4z = 38 \\ & b = 4, u = 3, z = 1 \end{aligned}$$

$$\begin{aligned} 7. \quad & -4b + 3u + 4y = -9 \\ & 5b - 2u - 2y = 8 \\ & -5b + 2y = -18 \\ & b = 2, u = 5, y = -4 \end{aligned}$$

$$\begin{aligned} 4. \quad & -3a + c + 6u = -11 \\ & -3a + 4u = -8 \\ & -2a + 6u = -12 \\ & a = 0, c = 1, u = -2 \end{aligned}$$

$$\begin{aligned} 8. \quad & -4a - 3v + 4x = -20 \\ & 5a - 2v - 4x = 1 \\ & -5a - 4v = -21 \\ & a = 1, v = 4, x = -1 \end{aligned}$$