

## Systemes Linéaires (G)

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & -5a - 2u = 2 \\ & -2a + 3y = 7 \\ & 2a - 2y = -6 \end{aligned}$$

$$\begin{aligned} 5. \quad & -5u - 2x = -9 \\ & -3v + 2x = -18 \\ & -4u + 3v = 0 \end{aligned}$$

$$\begin{aligned} 2. \quad & 4u + 2v - z = 2 \\ & -2u + 5v + 5z = 20 \\ & -2u - 3v + 2z = -2 \end{aligned}$$

$$\begin{aligned} 6. \quad & 6u - 4v + z = 30 \\ & -3v - 5z = -7 \\ & 2v + z = 0 \end{aligned}$$

$$\begin{aligned} 3. \quad & 6a - 4x - 5z = -23 \\ & 2a + 6x = -32 \\ & -a - z = 1 \end{aligned}$$

$$\begin{aligned} 7. \quad & -2u + 6v + 6y = 38 \\ & -3u - v - 2y = -3 \\ & 2u + 4y = -2 \end{aligned}$$

$$\begin{aligned} 4. \quad & 6b - 3c - z = -1 \\ & 6b + 5c + 4z = 36 \\ & 3b - 2c - 5z = -7 \end{aligned}$$

$$\begin{aligned} 8. \quad & -b - 5u - 4z = -31 \\ & -5b + 2u - 4z = 1 \\ & b - u - 2z = -11 \end{aligned}$$

## Systemes Linéaires (G) Solutions

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & -5a - 2u = 2 \\ & -2a + 3y = 7 \\ & 2a - 2y = -6 \end{aligned}$$

$$a = -2, u = 4, y = 1$$

$$\begin{aligned} 5. \quad & -5u - 2x = -9 \\ & -3v + 2x = -18 \\ & -4u + 3v = 0 \end{aligned}$$

$$u = 3, v = 4, x = -3$$

$$\begin{aligned} 2. \quad & 4u + 2v - z = 2 \\ & -2u + 5v + 5z = 20 \\ & -2u - 3v + 2z = -2 \end{aligned}$$

$$u = 0, v = 2, z = 2$$

$$\begin{aligned} 6. \quad & 6u - 4v + z = 30 \\ & -3v - 5z = -7 \\ & 2v + z = 0 \end{aligned}$$

$$u = 4, v = -1, z = 2$$

$$\begin{aligned} 3. \quad & 6a - 4x - 5z = -23 \\ & 2a + 6x = -32 \\ & -a - z = 1 \end{aligned}$$

$$a = -4, x = -4, z = 3$$

$$\begin{aligned} 7. \quad & -2u + 6v + 6y = 38 \\ & -3u - v - 2y = -3 \\ & 2u + 4y = -2 \end{aligned}$$

$$u = -1, v = 6, y = 0$$

$$\begin{aligned} 4. \quad & 6b - 3c - z = -1 \\ & 6b + 5c + 4z = 36 \\ & 3b - 2c - 5z = -7 \end{aligned}$$

$$b = 2, c = 4, z = 1$$

$$\begin{aligned} 8. \quad & -b - 5u - 4z = -31 \\ & -5b + 2u - 4z = 1 \\ & b - u - 2z = -11 \end{aligned}$$

$$b = -1, u = 4, z = 3$$