

Systemes Linéaires (I)

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & 2c + x - 3z = 13 \\ & c + 4x = 5 \\ & -2c = -10 \end{aligned}$$

$$\begin{aligned} 5. \quad & -5a + 5c - 3y = 16 \\ & -5a - 4c = -44 \\ & 3a = 12 \end{aligned}$$

$$\begin{aligned} 2. \quad & 6a + 5v - 3z = 1 \\ & a - v = -6 \\ & 3a = -12 \end{aligned}$$

$$\begin{aligned} 6. \quad & 6a + 4y + 6z = 48 \\ & -4a - y = -24 \\ & 4a = 24 \end{aligned}$$

$$\begin{aligned} 3. \quad & 5a + 5u + 2z = 11 \\ & 4a - 4u = -20 \\ & -4a = 4 \end{aligned}$$

$$\begin{aligned} 7. \quad & -5b + 6u + 5y = 39 \\ & 2b + 4u = 8 \\ & -2b = 8 \end{aligned}$$

$$\begin{aligned} 4. \quad & 6b + 4x - 2y = 22 \\ & -b + 2x = 2 \\ & 4b = 8 \end{aligned}$$

$$\begin{aligned} 8. \quad & 2c + 2u + 2z = 10 \\ & 6c + 3u = 15 \\ & c = 1 \end{aligned}$$

Systèmes Linéaires (I) Solutions

Trouvez les solutions des systèmes d'équations suivants.

1. $2c + x - 3z = 13$

$$c + 4x = 5$$

$$-2c = -10$$

$$c = 5, x = 0, z = -1$$

5. $-5a + 5c - 3y = 16$

$$-5a - 4c = -44$$

$$3a = 12$$

$$a = 4, c = 6, y = -2$$

2. $6a + 5v - 3z = 1$

$$a - v = -6$$

$$3a = -12$$

$$a = -4, v = 2, z = -5$$

6. $6a + 4y + 6z = 48$

$$-4a - y = -24$$

$$4a = 24$$

$$a = 6, y = 0, z = 2$$

3. $5a + 5u + 2z = 11$

$$4a - 4u = -20$$

$$-4a = 4$$

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

7. $-5b + 6u + 5y = 39$

$$2b + 4u = 8$$

$$-2b = 8$$

$$b = -4, u = 4, y = -1$$

4. $6b + 4x - 2y = 22$

$$-b + 2x = 2$$

$$4b = 8$$

$$b = 2, x = 2, y = -1$$

8. $2c + 2u + 2z = 10$

$$6c + 3u = 15$$

$$c = 1$$

$$c = 1, u = 3, z = 1$$