

Systemes Linéaires (A)

Trouvez les solutions des systemes d'équations suivants.

1.
$$\begin{aligned} -3b + z &= -3 \\ 2b - 3z &= -12 \end{aligned}$$

5.
$$\begin{aligned} -2x + 5z &= -23 \\ -4x - z &= -13 \end{aligned}$$

2.
$$\begin{aligned} -2v - z &= 8 \\ 6v - z &= -8 \end{aligned}$$

6.
$$\begin{aligned} 3c - 4x &= 8 \\ -5c + 6x &= -12 \end{aligned}$$

3.
$$\begin{aligned} 2a - 3z &= 4 \\ -3a - z &= -17 \end{aligned}$$

7.
$$\begin{aligned} -5a - 3y &= -25 \\ -5a + 2y &= -25 \end{aligned}$$

4.
$$\begin{aligned} 6b + 2v &= 28 \\ -3b - 3v &= -24 \end{aligned}$$

8.
$$\begin{aligned} 5a + 2y &= -4 \\ 6a + 5y &= 3 \end{aligned}$$

Systemes Linéaires (A) Solutions

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & -3b + z = -3 \\ & 2b - 3z = -12 \\ & \mathbf{b = 3, z = 6} \end{aligned}$$

$$\begin{aligned} 5. \quad & -2x + 5z = -23 \\ & -4x - z = -13 \\ & \mathbf{x = 4, z = -3} \end{aligned}$$

$$\begin{aligned} 2. \quad & -2v - z = 8 \\ & 6v - z = -8 \\ & \mathbf{v = -2, z = -4} \end{aligned}$$

$$\begin{aligned} 6. \quad & 3c - 4x = 8 \\ & -5c + 6x = -12 \\ & \mathbf{c = 0, x = -2} \end{aligned}$$

$$\begin{aligned} 3. \quad & 2a - 3z = 4 \\ & -3a - z = -17 \\ & \mathbf{a = 5, z = 2} \end{aligned}$$

$$\begin{aligned} 7. \quad & -5a - 3y = -25 \\ & -5a + 2y = -25 \\ & \mathbf{a = 5, y = 0} \end{aligned}$$

$$\begin{aligned} 4. \quad & 6b + 2v = 28 \\ & -3b - 3v = -24 \\ & \mathbf{b = 3, v = 5} \end{aligned}$$

$$\begin{aligned} 8. \quad & 5a + 2y = -4 \\ & 6a + 5y = 3 \\ & \mathbf{a = -2, y = 3} \end{aligned}$$

Systemes Linéaires (B)

Trouvez les solutions des systemes d'équations suivants.

1. $3b + 2c = -13$
 $-5b + 5c = 5$

5. $6c + 6v = 66$
 $-2c - 5v = -37$

2. $-3a - u = -20$
 $a + 2u = 15$

6. $2u + 3z = 3$
 $5u - 3z = -3$

3. $2c - 5u = 32$
 $3c - 4u = 34$

7. $6y + 6z = 6$
 $-4y + 2z = -22$

4. $6x - 5z = 7$
 $-5x + 6z = -15$

8. $u + 2z = -9$
 $6u + 5z = -40$

Systemes Linéaires (B) Solutions

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & 3b + 2c = -13 \\ & -5b + 5c = 5 \\ & \mathbf{b = -3, c = -2} \end{aligned}$$

$$\begin{aligned} 5. \quad & 6c + 6v = 66 \\ & -2c - 5v = -37 \\ & \mathbf{c = 6, v = 5} \end{aligned}$$

$$\begin{aligned} 2. \quad & -3a - u = -20 \\ & a + 2u = 15 \\ & \mathbf{a = 5, u = 5} \end{aligned}$$

$$\begin{aligned} 6. \quad & 2u + 3z = 3 \\ & 5u - 3z = -3 \\ & \mathbf{u = 0, z = 1} \end{aligned}$$

$$\begin{aligned} 3. \quad & 2c - 5u = 32 \\ & 3c - 4u = 34 \\ & \mathbf{c = 6, u = -4} \end{aligned}$$

$$\begin{aligned} 7. \quad & 6y + 6z = 6 \\ & -4y + 2z = -22 \\ & \mathbf{y = 4, z = -3} \end{aligned}$$

$$\begin{aligned} 4. \quad & 6x - 5z = 7 \\ & -5x + 6z = -15 \\ & \mathbf{x = -3, z = -5} \end{aligned}$$

$$\begin{aligned} 8. \quad & u + 2z = -9 \\ & 6u + 5z = -40 \\ & \mathbf{u = -5, z = -2} \end{aligned}$$

Systemes Linéaires (C)

Trouvez les solutions des systemes d'équations suivants.

1. $-4u + 4y = -20$
 $-3u - 2y = 5$

5. $-c - 2x = -5$
 $-4c + 6x = 22$

2. $-4a + 3z = 10$
 $-a - 5z = -9$

6. $-5u - 5y = -10$
 $-5u + 3y = 14$

3. $2x + 2z = 6$
 $-5x + 6z = -37$

7. $-a - 3y = 11$
 $-3a - 3y = 15$

4. $-b + 6x = -33$
 $-5b - 5x = 10$

8. $-2a - 5z = -16$
 $-4a - 3z = -18$

Systemes Linéaires (C) Solutions

Trouvez les solutions des systemes d'équations suivants.

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

$$\begin{aligned} 5. \quad & -c - 2x = -5 \\ & -4c + 6x = 22 \\ & c = -1, x = 3 \end{aligned}$$

$$\begin{aligned} 2. \quad & -4a + 3z = 10 \\ & -a - 5z = -9 \\ & a = -1, z = 2 \end{aligned}$$

$$\begin{aligned} 6. \quad & -5u - 5y = -10 \\ & -5u + 3y = 14 \\ & u = -1, y = 3 \end{aligned}$$

$$\begin{aligned} 3. \quad & 2x + 2z = 6 \\ & -5x + 6z = -37 \\ & x = 5, z = -2 \end{aligned}$$

$$\begin{aligned} 7. \quad & -a - 3y = 11 \\ & -3a - 3y = 15 \\ & a = -2, y = -3 \end{aligned}$$

$$\begin{aligned} 4. \quad & -b + 6x = -33 \\ & -5b - 5x = 10 \\ & b = 3, x = -5 \end{aligned}$$

$$\begin{aligned} 8. \quad & -2a - 5z = -16 \\ & -4a - 3z = -18 \\ & a = 3, z = 2 \end{aligned}$$

Systemes Linéaires (D)

Trouvez les solutions des systemes d'équations suivants.

1. $2b + 2v = -10$
 $b + 2v = -10$

5. $-3c + 6v = -6$
 $-3c + 5v = -6$

2. $-3a + 6y = 9$
 $6a + y = -18$

6. $-4a + 5y = -30$
 $4a + y = 18$

3. $5v - 3x = -16$
 $4v - 3x = -14$

7. $-v + 2x = -3$
 $2v - 3x = 2$

4. $5c - 5y = 50$
 $-2c - y = -5$

8. $v + 3x = 1$
 $-v + 6x = -10$

Systemes Linéaires (D) Solutions

Trouvez les solutions des systemes d'équations suivants.

1. $2b + 2v = -10$
 $b + 2v = -10$
 $b = 0, v = -5$

5. $-3c + 6v = -6$
 $-3c + 5v = -6$
 $c = 2, v = 0$

2. $-3a + 6y = 9$
 $6a + y = -18$
 $a = -3, y = 0$

6. $-4a + 5y = -30$
 $4a + y = 18$
 $a = 5, y = -2$

3. $5v - 3x = -16$
 $4v - 3x = -14$
 $v = -2, x = 2$

7. $-v + 2x = -3$
 $2v - 3x = 2$
 $v = -5, x = -4$

4. $5c - 5y = 50$
 $-2c - y = -5$
 $c = 5, y = -5$

8. $v + 3x = 1$
 $-v + 6x = -10$
 $v = 4, x = -1$

Systemes Linéaires (E)

Trouvez les solutions des systemes d'équations suivants.

1. $5u + 4z = 31$
 $-u + 4z = 13$

5. $-u - 4x = 17$
 $4u + 3x = -3$

2. $-u + 5z = -10$
 $-4u - 3z = 29$

6. $6u - 2x = -8$
 $6u - 3x = -6$

3. $-2c + 4v = 12$
 $4c + 4v = 24$

7. $2a - 3u = -21$
 $-a + 6u = 33$

4. $-2y + z = -12$
 $-4y + 3z = -24$

8. $-4a + v = 0$
 $4a + 6v = -28$

Systemes Linéaires (E) Solutions

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & 5u + 4z = 31 \\ & -u + 4z = 13 \\ & u = 3, z = 4 \end{aligned}$$

$$\begin{aligned} 5. \quad & -u - 4x = 17 \\ & 4u + 3x = -3 \\ & u = 3, x = -5 \end{aligned}$$

$$\begin{aligned} 2. \quad & -u + 5z = -10 \\ & -4u - 3z = 29 \\ & u = -5, z = -3 \end{aligned}$$

$$\begin{aligned} 6. \quad & 6u - 2x = -8 \\ & 6u - 3x = -6 \\ & u = -2, x = -2 \end{aligned}$$

$$\begin{aligned} 3. \quad & -2c + 4v = 12 \\ & 4c + 4v = 24 \\ & c = 2, v = 4 \end{aligned}$$

$$\begin{aligned} 7. \quad & 2a - 3u = -21 \\ & -a + 6u = 33 \\ & a = -3, u = 5 \end{aligned}$$

$$\begin{aligned} 4. \quad & -2y + z = -12 \\ & -4y + 3z = -24 \\ & y = 6, z = 0 \end{aligned}$$

$$\begin{aligned} 8. \quad & -4a + v = 0 \\ & 4a + 6v = -28 \\ & a = -1, v = -4 \end{aligned}$$

Systemes Linéaires (F)

Trouvez les solutions des systemes d'équations suivants.

1. $6a - 5v = 26$
 $2a + 5v = 22$

5. $-x - 5y = 15$
 $-3x + 4y = 7$

2. $3u + v = 12$
 $-3u - 3v = -12$

6. $-v + 2z = 7$
 $6v + 3z = 33$

3. $-5a - 3y = -6$
 $a - 2y = 9$

7. $6a + 5u = -12$
 $-a + 3u = 2$

4. $4u + 5v = 17$
 $-2u - 5v = -21$

8. $-5u - z = -16$
 $4u - z = 2$

Systemes Linéaires (F) Solutions

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & 6a - 5v = 26 \\ & 2a + 5v = 22 \\ & a = 6, v = 2 \end{aligned}$$

$$\begin{aligned} 5. \quad & -x - 5y = 15 \\ & -3x + 4y = 7 \\ & x = -5, y = -2 \end{aligned}$$

$$\begin{aligned} 2. \quad & 3u + v = 12 \\ & -3u - 3v = -12 \\ & u = 4, v = 0 \end{aligned}$$

$$\begin{aligned} 6. \quad & -v + 2z = 7 \\ & 6v + 3z = 33 \\ & v = 3, z = 5 \end{aligned}$$

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

$$\begin{aligned} 7. \quad & 6a + 5u = -12 \\ & -a + 3u = 2 \\ & a = -2, u = 0 \end{aligned}$$

$$\begin{aligned} 4. \quad & 4u + 5v = 17 \\ & -2u - 5v = -21 \\ & u = -2, v = 5 \end{aligned}$$

$$\begin{aligned} 8. \quad & -5u - z = -16 \\ & 4u - z = 2 \\ & u = 2, z = 6 \end{aligned}$$

Systemes Linéaires (G)

Trouvez les solutions des systemes d'équations suivants.

1. $-3c - 4z = -28$
 $-4c + 5z = 4$

5. $-4u + 3z = -6$
 $4u - z = 18$

2. $-u - 4z = 0$
 $4u - 4z = 20$

6. $c + 5v = -10$
 $5c - 3v = 34$

3. $3b - 4v = 10$
 $3b + 3v = -18$

7. $5c + 6x = 15$
 $-c - x = -3$

4. $-5v + 6x = -18$
 $v + 4x = -12$

8. $a + 4v = 19$
 $4a - 5v = -29$

Systemes Linéaires (G) Solutions

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & -3c - 4z = -28 \\ & -4c + 5z = 4 \\ & c = 4, z = 4 \end{aligned}$$

$$\begin{aligned} 5. \quad & -4u + 3z = -6 \\ & 4u - z = 18 \\ & u = 6, z = 6 \end{aligned}$$

$$\begin{aligned} 2. \quad & -u - 4z = 0 \\ & 4u - 4z = 20 \\ & u = 4, z = -1 \end{aligned}$$

$$\begin{aligned} 6. \quad & c + 5v = -10 \\ & 5c - 3v = 34 \\ & c = 5, v = -3 \end{aligned}$$

$$\begin{aligned} 3. \quad & 3b - 4v = 10 \\ & 3b + 3v = -18 \\ & b = -2, v = -4 \end{aligned}$$

$$\begin{aligned} 7. \quad & 5c + 6x = 15 \\ & -c - x = -3 \\ & c = 3, x = 0 \end{aligned}$$

$$\begin{aligned} 4. \quad & -5v + 6x = -18 \\ & v + 4x = -12 \\ & v = 0, x = -3 \end{aligned}$$

$$\begin{aligned} 8. \quad & a + 4v = 19 \\ & 4a - 5v = -29 \\ & a = -1, v = 5 \end{aligned}$$

Systemes Linéaires (H)

Trouvez les solutions des systemes d'équations suivants.

1. $-3c - 3u = -33$
 $-3c + u = -13$

5. $2b + 2x = -10$
 $2b + 6x = -22$

2. $2b + c = 6$
 $-b + c = -9$

6. $4b - 5x = -41$
 $6b + 2x = -14$

3. $2v - 5x = -5$
 $v + 3x = -8$

7. $6c - 3u = 21$
 $-2c + 5u = 5$

4. $3b + y = 10$
 $-2b + 5y = -35$

8. $-4x - 2y = 4$
 $5x - 5y = -5$

Systemes Linéaires (H) Solutions

Trouvez les solutions des systemes d'équations suivants.

1. $-3c - 3u = -33$
 $-3c + u = -13$
 $c = 6, u = 5$

5. $2b + 2x = -10$
 $2b + 6x = -22$
 $b = -2, x = -3$

2. $2b + c = 6$
 $-b + c = -9$
 $b = 5, c = -4$

6. $4b - 5x = -41$
 $6b + 2x = -14$
 $b = -4, x = 5$

3. $2v - 5x = -5$
 $v + 3x = -8$
 $v = -5, x = -1$

7. $6c - 3u = 21$
 $-2c + 5u = 5$
 $c = 5, u = 3$

4. $3b + y = 10$
 $-2b + 5y = -35$
 $b = 5, y = -5$

8. $-4x - 2y = 4$
 $5x - 5y = -5$
 $x = -1, y = 0$

Systemes Linéaires (I)

Trouvez les solutions des systemes d'équations suivants.

1. $-3a + 3b = 6$
 $-2a + 5b = 19$

5. $-3v + 3y = 18$
 $6v + 4y = -26$

2. $-5u + 5y = -5$
 $-5u + 3y = -15$

6. $3b + 4c = 5$
 $b + 4c = -1$

3. $-3a + 2y = 17$
 $a - 2y = -11$

7. $-2b + u = -4$
 $6b + 3u = 48$

4. $3a + 2b = 2$
 $2a - 4b = -20$

8. $6u + 5z = -5$
 $2u - 4z = -30$

Systèmes Linéaires (I) Solutions

Trouvez les solutions des systèmes d'équations suivants.

1. $-3a + 3b = 6$
 $-2a + 5b = 19$
 $a = 3, b = 5$

5. $-3v + 3y = 18$
 $6v + 4y = -26$
 $v = -5, y = 1$

2. $-5u + 5y = -5$
 $-5u + 3y = -15$
 $u = 6, y = 5$

6. $3b + 4c = 5$
 $b + 4c = -1$
 $b = 3, c = -1$

3. $-3a + 2y = 17$
 $a - 2y = -11$
 $a = -3, y = 4$

7. $-2b + u = -4$
 $6b + 3u = 48$
 $b = 5, u = 6$

4. $3a + 2b = 2$
 $2a - 4b = -20$
 $a = -2, b = 4$

8. $6u + 5z = -5$
 $2u - 4z = -30$
 $u = -5, z = 5$

Systemes Linéaires (J)

Trouvez les solutions des systemes d'équations suivants.

1. $-2c - 3v = 10$
 $4c - 2v = -20$

5. $6v + 3z = 12$
 $4v + 3z = 12$

2. $-5a + b = -21$
 $3a - 2b = 7$

6. $-2a - 2y = 16$
 $4a - 3y = -4$

3. $4a + 3c = -22$
 $-a + c = 2$

7. $2x - 4z = -16$
 $x + 5z = 27$

4. $-3b - 5u = -15$
 $5b - 3u = -43$

8. $3x - 5z = -12$
 $4x - 2z = -2$

Systemes Linéaires (J) Solutions

Trouvez les solutions des systemes d'équations suivants.

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

$$\begin{aligned} 5. \quad & 6v + 3z = 12 \\ & 4v + 3z = 12 \\ & v = 0, z = 4 \end{aligned}$$

$$\begin{aligned} 2. \quad & -5a + b = -21 \\ & 3a - 2b = 7 \\ & a = 5, b = 4 \end{aligned}$$

$$\begin{aligned} 6. \quad & -2a - 2y = 16 \\ & 4a - 3y = -4 \\ & a = -4, y = -4 \end{aligned}$$

$$\begin{aligned} 3. \quad & 4a + 3c = -22 \\ & -a + c = 2 \\ & a = -4, c = -2 \end{aligned}$$

$$\begin{aligned} 7. \quad & 2x - 4z = -16 \\ & x + 5z = 27 \\ & x = 2, z = 5 \end{aligned}$$

$$\begin{aligned} 4. \quad & -3b - 5u = -15 \\ & 5b - 3u = -43 \\ & b = -5, u = 6 \end{aligned}$$

$$\begin{aligned} 8. \quad & 3x - 5z = -12 \\ & 4x - 2z = -2 \\ & x = 1, z = 3 \end{aligned}$$