

Systemes Linéaires (D)

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & 2u - 5x - z = -8 \\ & 2u + x - 2z = -7 \\ & -2u - 5x - 5z = -32 \end{aligned}$$

$$\begin{aligned} 5. \quad & -c + 5x + y = -21 \\ & 3c - 5x + 3y = 21 \\ & 2c - 2x + 2y = 10 \end{aligned}$$

$$\begin{aligned} 2. \quad & 2b + 5c - 4x = -7 \\ & b - 5c + 4x = 22 \\ & 3b - c + 3x = 14 \end{aligned}$$

$$\begin{aligned} 6. \quad & 6a - 2c + 3u = -18 \\ & 6a - 5c - 3u = -42 \\ & 5a + 4c + 2u = -17 \end{aligned}$$

$$\begin{aligned} 3. \quad & 6a + 4b - y = 15 \\ & 4a - y = 17 \\ & -b - 5y = -12 \end{aligned}$$

$$\begin{aligned} 7. \quad & 4b - 3v + y = 5 \\ & 5v + 6y = 3 \\ & 3b + 3y = 6 \end{aligned}$$

$$\begin{aligned} 4. \quad & -2v - 4x + 2y = -2 \\ & -5v - 5x + y = -5 \\ & -5v + 5x - 4y = -5 \end{aligned}$$

$$\begin{aligned} 8. \quad & 5a - 5v - 3y = -17 \\ & -4a - v - y = -15 \\ & 5a + 5v - 4y = 9 \end{aligned}$$

Systemes Linéaires (D) Solutions

Trouvez les solutions des systemes d'équations suivants.

1. $2u - 5x - z = -8$
 $2u + x - 2z = -7$
 $-2u - 5x - 5z = -32$
 $u = 1, x = 1, z = 5$

5. $-c + 5x + y = -21$
 $3c - 5x + 3y = 21$
 $2c - 2x + 2y = 10$
 $c = 4, x = -3, y = -2$

2. $2b + 5c - 4x = -7$
 $b - 5c + 4x = 22$
 $3b - c + 3x = 14$
 $b = 5, c = -5, x = -2$

6. $6a - 2c + 3u = -18$
 $6a - 5c - 3u = -42$
 $5a + 4c + 2u = -17$
 $a = -5, c = 0, u = 4$

3. $6a + 4b - y = 15$
 $4a - y = 17$
 $-b - 5y = -12$
 $a = 5, b = -3, y = 3$

7. $4b - 3v + y = 5$
 $5v + 6y = 3$
 $3b + 3y = 6$
 $b = 4, v = 3, y = -2$

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

8. $5a - 5v - 3y = -17$
 $-4a - v - y = -15$
 $5a + 5v - 4y = 9$
 $a = 2, v = 3, y = 4$