

## Systemes Linéaires (C)

Trouvez les solutions des systemes d'équations suivants.

$$\begin{aligned} 1. \quad & 5a + 5b - 3y = -3 \\ & -3a + 6b + 6y = 45 \\ & -2a - 4b + 5y = 20 \end{aligned}$$

$$\begin{aligned} 5. \quad & 4b + 5u - y = 13 \\ & -2b + 4u + 4y = 40 \\ & u + 6y = 29 \end{aligned}$$

$$\begin{aligned} 2. \quad & 4b + c - v = 3 \\ & 3b + 3c - v = 9 \\ & -5c - 2v = -15 \end{aligned}$$

$$\begin{aligned} 6. \quad & 3a + 5c + 6u = 20 \\ & 3a + 3c + 2u = 12 \\ & 4a - 5c - 5u = 11 \end{aligned}$$

$$\begin{aligned} 3. \quad & -c - 5v - y = -22 \\ & 5c + 5y = 10 \\ & -2c - 4v = -18 \end{aligned}$$

$$\begin{aligned} 7. \quad & -2c - y + 2z = -3 \\ & -5c + 4y - 3z = -38 \\ & c + y = 4 \end{aligned}$$

$$\begin{aligned} 4. \quad & v + 3y - 2z = -11 \\ & -2v - y + 6z = 27 \\ & 3v - 5y + z = 16 \end{aligned}$$

$$\begin{aligned} 8. \quad & -2u + 4y - 2z = -8 \\ & 4u - 2y - 5z = 1 \\ & 5y + z = -21 \end{aligned}$$