

FA257 Cherche la résolution correcte

Dans chaque groupe de trois équations, détermine celle qui est résolue correctement.

a)

$$\begin{array}{l|l} 4x - 40 = 160 & +40 \\ 4x = 160 & :4 \\ x = 40 & \\ S = \{40\} & \end{array}$$

$$\begin{array}{l|l} 4x - 40 = 160 & -40 \\ 4x = 120 & :4 \\ x = 30 & \\ S = \{30\} & \end{array}$$

$$\begin{array}{l|l} 4x - 40 = 160 & +40 \\ 4x = 200 & :4 \\ x = 50 & \\ S = \{50\} & \end{array}$$

b)

$$\begin{array}{l|l} 6x = 48 - 6x & -6x \\ 0 = 48 & \\ S = \emptyset & \end{array}$$

$$\begin{array}{l|l} 6x = 48 - 6x & +6x \\ 12x = 48 & :12 \\ x = 4 & \\ S = \{4\} & \end{array}$$

$$\begin{array}{l|l} 6x = 48 - 6x & \\ 6x = 42x & :6 \\ x = 7x & \\ x = 0 & \\ S = \{0\} & \end{array}$$

c)

$$\begin{array}{l|l} 25 - 0,5x = 75 & -25 \\ 0,5x = 50 & \cdot 2 \\ x = 100 & \\ S = \{100\} & \end{array}$$

$$\begin{array}{l|l} 25 - 0,5x = 75 & +0,5x \\ 25 = 75 + 0,5x & -75 \\ -50 = 0,5x & \cdot 2 \\ -100 = x & \\ S = \{-100\} & \end{array}$$

$$\begin{array}{l|l} 25 - 0,5x = 75 & -25 \\ -0,5x = 50 & \cdot 10 \\ -5x = 500 & :500 \\ x = 1 & \\ S = \{1\} & \end{array}$$

d)

$$\begin{array}{l|l} 2x - 2 = 1,2x + 1,2 & -1,2x \\ 0,8x - 2 = 1,2 & +2 \\ 0,8x = 3,2 & :0,8 \\ x = 4 & \\ S = \{4\} & \end{array}$$

$$\begin{array}{l|l} 2x - 2 = 1,2x + 1,2 & -2 \\ 2x = 1,2x - 0,8 & -1,2x \\ 0,8x = -0,8 & :0,8 \\ x = -1 & \\ S = \{-1\} & \end{array}$$

$$\begin{array}{l|l} 2x - 2 = 1,2x + 1,2 & +2 \\ 4x = 3,2x + 3,2 & -3,2x \\ 0,8x = 0 & :0,8x \\ x = 0 & \\ S = \{0\} & \end{array}$$