

KLASEAN BIDALITAKO 165. ORRIALDEKO 6. ARIKETA

6 ▼▼▼ Ebatzi egokien iruditzen zaizun metodoa erabilita.

$$\text{a) } \begin{cases} 2y = x + 8 \\ y = 2x + 10 \end{cases}$$

$$\text{b) } \begin{cases} x + y = -4 \\ 2x + y = -1 \end{cases}$$

$$\text{c) } \begin{cases} x + 2y = -5 \\ x - 3y = 5 \end{cases}$$

$$\text{d) } \begin{cases} 3x - y = 1 \\ 5x + 2y = 9 \end{cases}$$

$$\text{e) } \begin{cases} 6x - 2y = 0 \\ 3x - 5y = 12 \end{cases}$$

$$\text{f) } \begin{cases} 7x - 5y = 10 \\ 2x - 3y = -5 \end{cases}$$

A-. ORDEZKATZE

$$\begin{aligned} 2(2x + 10) &= x + 8 \rightarrow x = -4 \\ y &= 2 \cdot (-4) + 10 \rightarrow y = 2 \end{aligned}$$

C-. ORDEZKATZE

$$\begin{aligned} x &= -5 - 2y \\ (-5 - 2y) - 3y &= 5 \rightarrow y = -2 \\ x &= -5 - 2 \cdot (-2) \rightarrow x = -1 \end{aligned}$$

E-. LABURTZE

$$\begin{aligned} 6x - 2y &= 0 \\ -6x + 10y &= -24 \\ \hline 8y &= -24 \rightarrow y = -3 \\ 6x - 2 \cdot (-3) &= 0 \rightarrow x = -1 \end{aligned}$$

B-. LABURTZE

$$\begin{aligned} 2x + y &= -1 \\ -x - y &= 4 \\ \hline x &= 3; 2 \cdot 3 + y = -1 \rightarrow y = -7 \end{aligned}$$

D-. LABURTZE

$$\begin{aligned} 6x - 2y &= 2 \\ 5x + 2y &= 9 \\ \hline 11x &= 11 \rightarrow x = 1 \\ 5 + 2y &= 9 \rightarrow y = 2 \end{aligned}$$

F-. BERDINTZE

$$\begin{aligned} x = \frac{10 + 5y}{7} & \left\{ \begin{aligned} \frac{10 + 5y}{7} = \frac{3y - 5}{2} &\rightarrow y = 5 \\ x = \frac{3y - 5}{2} & \left\{ \begin{aligned} x = \frac{10 + 5 \cdot 5}{7} &\rightarrow x = 5 \end{aligned} \right. \end{aligned} \right. \end{aligned}$$