

ZAD 3e

$$\begin{cases} -2x + 4y = -2 & \cdot \frac{5}{2} \\ 5x - 3y = 12 \end{cases} \rightarrow \begin{cases} -5x + 10y = -5 \\ 5x - 3y = 12 \end{cases} \quad +$$

$$\begin{matrix} 0 & 7y = 7 & :7 \\ & y = 1 & \end{matrix}$$

PRZEGLĄDNE WSPÓŁCZYNNIKI
SPRAWDZ.

$$\begin{aligned} -2 \cdot 3 + 4 \cdot 1 &= -2 \\ -6 + 4 &= -2 \\ -2 &= -2 \quad \text{OK} \\ 5 \cdot 3 - 3 \cdot 1 &= 12 \\ 15 - 3 &= 12 \\ 12 &= 12 \quad \text{OK} \end{aligned}$$

$$x = 3; y = 1$$

$$\begin{cases} -2x + 4y = -2 & : -2 \\ 5x - 3y = 12 \end{cases} \quad \text{METODA PODSTAWIANIA}$$

$$\begin{cases} x - 2y = 1 \rightarrow x = 1 + 2y = 1 + 2 \cdot 1 = 1 + 2 = 3 \\ 5x - 3y = 12 \end{cases}$$

$$5(1 + 2y) - 3y = 12$$

$$5 + 10y - 3y = 12$$

$$7y = 12 - 5$$

$$\begin{cases} 7y = 7 & :7 \\ y = 1 \end{cases}$$

$$\underline{x = 3; y = 1}$$