

Ex 2.10

$$4) \begin{cases} 2x - 4y = 2 \\ x - 2y = 1 \end{cases} \begin{array}{l} | \cdot (-1) \\ | \cdot 2 \end{array} \Rightarrow \frac{\dots}{0=0} \checkmark$$

$$x - 2y = 1$$

$$\text{on pose } x=t \Rightarrow t - 2y = 1 \Leftrightarrow -2y = 1 - t$$

$$\Leftrightarrow y = \frac{1-t}{-2} = \frac{t-1}{2}$$

$$S = \left\{ \left(t; \frac{t-1}{2} \right), t \in \mathbb{R} \right\}$$

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$$\text{on pose } y=t$$

$$\Rightarrow x - 2t = 1 \Leftrightarrow x = 1 + 2t \Rightarrow S = \left\{ (1+2t; t), t \in \mathbb{R} \right\}$$

$$5) \begin{cases} 2x + 4y = 5 \\ x + 2y = 2 \end{cases}$$