

$$11) \begin{cases} x+y=5 \\ x-y=3 \end{cases} \left. \begin{array}{l} y=5-x \\ x-(5-x)=3 \Rightarrow 2x-5=3 // 2x=3+5 // \end{array} \right\}$$

$$2x=8 // x = \frac{8}{2} = 4 // x=4$$
$$y=5-x=5-4=1 // \boxed{\begin{array}{l} x=4 \\ y=1 \end{array}}$$

$$12) \begin{cases} x+y=8 \\ x-y=8 \end{cases} \left. \begin{array}{l} y=8-x \\ x-(8-x)=8 // x-8+x=8 // 2x=8+8=16 \end{array} \right\}$$

$$2x=16 // x = \frac{16}{2} = 8$$
$$y=8-x=8-8=0 // \boxed{\begin{array}{l} x=8 \\ y=0 \end{array}}$$

$$13) \begin{cases} 5x-y=1 \\ 2x-4y=22 \end{cases} \left. \begin{array}{l} -y=1-5x \Rightarrow y=-1+5x \\ 2x-4(-1+5x)=22 \\ 2x+4-20x=22 \\ 2x-20x=22-4=18 \\ -18x=18 \\ x=\frac{18}{-18}=-1 \\ y=-1+5x=-1+5(-1)=-1-5=-6 \end{array} \right\}$$

$$\boxed{\begin{array}{l} x=-1 \\ y=-6 \end{array}}$$