Enunciados

Resuelve los siguientes sistemas:

① $\begin{cases} \dfrac{y}{3}+1=\dfrac{x}{2} \\ 2(y-10)=\dfrac{x-2}{2} \end{cases}$

② $\begin{cases} \dfrac{3x}{5}-\dfrac{y}{25}=\dfrac{28}{25} \\ \dfrac{y-x}{7}=x-1 \end{cases}$

③ $\begin{cases} 2(x+1)-3(y+2)=35 \\ \dfrac{3x}{2}+\dfrac{y}{3}=6 \end{cases}$

④ $\begin{cases} \dfrac{x-y}{2}+x=-1 \\ 3(y-x)-2=4 \end{cases}$

⑤ $\begin{cases} \dfrac{x-2}{3}+\dfrac{3y+1}{2}=12 \\ x-\dfrac{1-5y}{2}=22 \end{cases}$

⑥ $\begin{cases} \dfrac{x}{2}+\dfrac{y}{3}=5 \\ \dfrac{y-x}{5}=1 \end{cases}$

⑦ $\begin{cases} \dfrac{x+y}{2}+x=9 \\ 3(y-x)-5=-35 \end{cases}$

⑧ $\begin{cases} \dfrac{x+5}{2}-\dfrac{5y-1}{3}=2 \\ x+\dfrac{3y+5}{11}=6 \end{cases}$

⑨ $\begin{cases} \dfrac{x}{5}+\dfrac{y}{7}=6 \\ \dfrac{y-x}{2}=3 \end{cases}$

⑩ $\begin{cases} \dfrac{x+y}{4}-\dfrac{2x+y}{6}=1 \\ \dfrac{3(y-x)}{4}+\dfrac{y+2}{3}=12 \end{cases}$

⑪ $\begin{cases} \dfrac{x+y}{6}+\dfrac{x-y}{7}=4 \\ x+5y=\dfrac{2x+y}{5}+3 \end{cases}$

⑫ $\begin{cases} \dfrac{2x-3y}{5}+y=x+7 \\ 3(x+9y)=\dfrac{x+y}{2}-1 \end{cases}$

⑬ $\begin{cases} \dfrac{2x-y}{4}-\dfrac{x+2y}{5}=4 \\ \dfrac{2x-y}{5}-\dfrac{y+2}{2}=4 \end{cases}$

⑭ $\begin{cases} \dfrac{x+2y}{2}=2(x+y)+1 \\ \dfrac{x}{4}-\dfrac{x-y}{11}=2x+y-1 \end{cases}$

⑮ $\begin{cases} \dfrac{x}{4}+\dfrac{y}{3}=0 \\ \dfrac{x+y}{3}=1 \end{cases}$

⑯ $\begin{cases} \dfrac{x-y}{6}-\dfrac{x+y}{45}=\dfrac{1}{2} \\ \dfrac{2x+3y}{5}=\dfrac{x}{10}+6 \end{cases}$

⑰ $\begin{cases} 20+2x=y \\ 4y-17=x \end{cases}$

⑱ $\begin{cases} \dfrac{x}{3}-\dfrac{y-6}{5}=9 \\ \dfrac{x}{11}-\dfrac{y+4}{2}=-7 \end{cases}$

⑲ $\begin{cases} \dfrac{\dfrac{x}{2}+\dfrac{y}{3}}{5}=\dfrac{\dfrac{x}{5}-\dfrac{y}{10}}{6} \\ 2(x+y)=y+6 \end{cases}$

⑳ $\begin{cases} 3\left(\dfrac{x}{6}-\dfrac{y}{2}\right)=4 \\ \dfrac{x+3y}{7}-\dfrac{x-y}{10}=1 \end{cases}$

㉑ $\begin{cases} 2(2x+y)=3(x-y-11) \\ 4(3x-y)+69=5(3x-2y) \end{cases}$

㉒ $\begin{cases} \dfrac{2y-x}{9}=y-3 \\ y-\dfrac{x+y}{3}=6 \end{cases}$

㉓ $\begin{cases} \dfrac{x+y}{2}-\dfrac{y-x}{3}=x+5 \\ \dfrac{x+2y}{7}-\dfrac{x-2}{5}=6 \end{cases}$

㉔ $\begin{cases} \dfrac{x-y}{4}+\dfrac{5x+3y}{2}=0 \\ \dfrac{6x+y}{5}-\dfrac{x+3y}{4}=0 \end{cases}$

㉕ $\begin{cases} 2x+7=-3y \\ 4x-2y=58 \end{cases}$

㉖ $\begin{cases} 2(x-y)=-3y-1 \\ 8-(x-2y)=-2x \end{cases}$

㉗ $\begin{cases} y=x-11 \\ 2y=20-4x \end{cases}$

Soluciones

①	$\begin{cases} x=10 \\ y=12 \end{cases}$	②	$\begin{cases} x=3 \\ y=17 \end{cases}$	③	$\begin{cases} x=6 \\ y=-9 \end{cases}$
④	$\begin{cases} x=0 \\ y=2 \end{cases}$	⑤	$\begin{cases} x=5 \\ y=7 \end{cases}$	⑥	$\begin{cases} x=4 \\ y=9 \end{cases}$
⑦	$\begin{cases} x=7 \\ y=-3 \end{cases}$	⑧	$\begin{cases} x=5 \\ y=2 \end{cases}$	⑨	$\begin{cases} x=15 \\ y=21 \end{cases}$
⑩	$\begin{cases} x=-5 \\ y=7 \end{cases}$	⑪	$\begin{cases} x=13 \\ y=-1 \end{cases}$	⑫	$\begin{cases} x=-11 \\ y=1 \end{cases}$
⑬	$\begin{cases} x=9 \\ y=-2 \end{cases}$	⑭	$\begin{cases} x=4 \\ y=-7 \end{cases}$	⑮	$\begin{cases} x=12 \\ y=-9 \end{cases}$
⑯	$\begin{cases} x=10 \\ y=5 \end{cases}$	⑰	$\begin{cases} x=9 \\ y=-2 \end{cases}$	⑱	$\begin{cases} x=33 \\ y=16 \end{cases}$
⑲	$\begin{cases} x=5 \\ y=-4 \end{cases}$	⑳	$\begin{cases} x=11 \\ y=1 \end{cases}$	㉑	$\begin{cases} x=7 \\ y=-8 \end{cases}$
㉒	$\begin{cases} x=-8 \\ y=5 \end{cases}$	㉓	$\begin{cases} x=-13 \\ y=17 \end{cases}$	㉔	$\begin{cases} x=0 \\ y=0 \end{cases}$
㉕	$\begin{cases} x=10 \\ y=-9 \end{cases}$	㉖	$\begin{cases} x=2 \\ y=-5 \end{cases}$	㉗	$\begin{cases} x=7 \\ y=-4 \end{cases}$