1. p019e01 - Resuelve los sistemas:

(a) $\begin{cases} 3x-2y=1 \\ x+6y=7 \end{cases}$

Sol: $\{x:1, \quad y:1\}$

(b) $\begin{cases} 6x-2y=14 \\ 3x-y=7 \end{cases}$

Sol: $\left\{x: \frac{y}{3}+\frac{7}{3}\right\}$

(c) $\begin{cases} 6x-2y=9 \\ 3x-y=10 \end{cases}$

Sol: []

(d) $\begin{cases} 4x+7y=-3 \\ 7x+4y=36 \end{cases}$

Sol: $\{x:8, \quad y:-5\}$

(e) $\begin{cases} 4x+16=5y \\ 5y-19=3x \end{cases}$

Sol: $\left\{x:3, \quad y:\frac{28}{5}\right\}$

(f) $\begin{cases} x-5=y+2 \\ 1+3x+2y=x-4 \end{cases}$

Sol: $\left\{x:\frac{9}{4}, \quad y:-\frac{19}{4}\right\}$

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

Sol: []

(h) $\begin{cases} x+3y=6 \\ 6y-5=7-2x \end{cases}$

Sol: $\{x:-3y+6\}$

(i) $\begin{cases} x-y=8 \\ x+y=24 \end{cases}$

Sol: $\{x:16, \quad y:8\}$

(j) $\begin{cases} x+2y=11 \\ 2x-y=2 \end{cases}$

Sol: $\{x:3, \quad y:4\}$

(k) $\begin{cases} 3x-4y=-9 \\ 2x+y=5 \end{cases}$

Sol: $\{x:1, \quad y:3\}$

(l) $\begin{cases} 10(x-2)+y=1 \\ x+3(x-y)=5 \end{cases}$

Sol: $\{x:2, \quad y:1\}$

(m) $\begin{cases} \frac{x-y}{2}+\frac{x-y}{3}=5 \\ \frac{x+7}{4}+y=3 \end{cases}$

Sol: $\left\{x:\frac{29}{5}, \quad y:-\frac{1}{5}\right\}$

(n) $\begin{cases} \frac{3(y+2x+2)}{4}=\frac{4x+y-1}{3} \\ \frac{1}{3}(x+y)-\frac{1}{6}(x-y)=\frac{y-1}{6} \end{cases}$

Sol: $\{x:39, \quad y:-20\}$

(ñ) $\begin{cases} x-2(x+y)=3y-2 \\ \frac{x}{3}+\frac{y}{2}=3 \end{cases}$

Sol: $\{x:12, \quad y:-2\}$

(o) $\begin{cases} \frac{3-2y}{4}-\frac{1}{4}=\frac{1-2x}{6} \\ \frac{25}{8}-1=\frac{x+3}{2}-\frac{3(1+y)}{8} \end{cases}$

Sol: $\{x:5, \quad y:4\}$

(p) $\begin{cases} \frac{4y-5x}{6}+\frac{3x-2y}{2}=1-\frac{2}{9}(x+y) \\ \frac{4y+x-8}{8}-x=\frac{2(y-2x)}{3} \end{cases}$

Sol: $\left\{x:\frac{4}{7}, \quad y:-\frac{31}{7}\right\}$