

$$\begin{cases} \frac{y-2}{x+3} - \frac{1}{3} = 0 \\ \frac{x-10}{y+2} + 2 = 0 \end{cases}$$

$$\begin{cases} \frac{3y-6-x-3}{\cancel{3(x+3)}} = 0 & x \neq -3 \\ \frac{x-10+2y+4}{\cancel{y+2}} = 0 & y \neq -2 \end{cases}$$

$$\begin{cases} -x + 3y = 9 \\ x + 2y = 6 \end{cases} \quad \begin{cases} y = 3 \\ x = 0 \end{cases}$$

$$\parallel \quad 5y = 15$$

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

$$\begin{cases} \frac{1}{x} - \frac{3}{y} = 0 \\ x - \cancel{x^2} + y = \cancel{4} - \cancel{4} - 4x - \cancel{x^2} \end{cases}$$

$$\begin{cases} \frac{y-3x}{\cancel{xy}} = 0 & \begin{array}{l} x-y \neq 0 \\ x \neq 0 \vee y \neq 0 \end{array} \\ 5x+y=0 \end{cases}$$

$$\begin{cases} -3x+y=0 \\ 5x+y=0 \end{cases}$$

$$8x = 0$$

$$\underline{\underline{x=0}}$$

$$S = \emptyset$$

$$\begin{cases} 4x - 2y = 14 \\ \frac{2}{x} - \frac{3+y}{x(x-2)} = 0 \end{cases}$$

$$\begin{cases} 2x - y = 7 \\ \frac{2x - 4 - 3 - y}{\cancel{x(x-2)}} = 0 \\ x \neq 0 \vee x \neq 2 \end{cases}$$

$$\begin{cases} 2x - y = 7 \\ 2x - y = 7 \end{cases}$$

indeterminato

con
 $x \neq 0 \vee x \neq 2$

$$\begin{vmatrix} -3 & -1 & 3 \\ 1 & 4 & 1 \\ 2 & 1 & 2 \end{vmatrix}$$

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$$\begin{vmatrix} -3 & -1 & 3 \\ 1 & 4 & 1 \\ 2 & 1 & 2 \end{vmatrix} =$$

$$= -24 - 2 + 3 - (24 - 2 - 3) =$$
$$= -24 - 2 + 3 - 24 + 2 + 3 = -42$$

$$\begin{vmatrix}
 -3 & -1 & 3 & -3 & -1 \\
 1 & 4 & 1 & 1 & 4 \\
 2 & 1 & 2 & 2 & 1
 \end{vmatrix}
 = \text{Regole di Sarrus}$$

$$= -24 - 7 + 3 - 24 + 3 + 7 = -42$$