Sistemi misti

Periodo 2 - UdA 1

Risolvere i seguenti sitemi formati da un'equazione esplicita ed una implicita

[1] $\begin{cases} y = -\frac{1}{6}x + \frac{2}{3} \\ -2x + 3y - 2 = 0 \end{cases}$

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

[3] $\begin{cases} x - 2y - 7 = 0 \\ y = -\frac{1}{2}x - \frac{1}{2} \end{cases}$

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

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

[6] $\begin{cases} y = \frac{3}{2}x + 4 \\ 3x - 2y + 10 = 0 \end{cases}$

[7] $\begin{cases} y = -\frac{3}{2}x - \frac{1}{4} \\ 3x + 4y - 1 = 0 \end{cases}$

[8] $\begin{cases} -x - 4y - 1 = 0 \\ x = -\frac{3}{2}y \end{cases}$

[9] $\begin{cases} y = \frac{1}{2}x - 2 \\ x - 2y - 4 = 0 \end{cases}$

[10] $\begin{cases} y = 3x + \frac{3}{4} \\ 6x + y - 3 = 0 \end{cases}$

[11] $\begin{cases} x = -\frac{2}{3}y - \frac{1}{3} \\ -3x + 2y - 5 = 0 \end{cases}$

[12] $\begin{cases} x = -3y - 1 \\ -x - 4y - 3 = 0 \end{cases}$

[13] $\begin{cases} 2x + 3y = 0 \\ x = -\frac{5}{3}y + \frac{1}{3} \end{cases}$

[14] $\begin{cases} x + 2y - 5 = 0 \\ x = 4y - 1 \end{cases}$

[15] $\begin{cases} y = -\frac{5}{3}x - \frac{1}{3} \\ -5x - y - 1 = 0 \end{cases}$

SOLUZIONI

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[1]	$\left(0;\frac{2}{3}\right)$	[2]	$\left(-1;\frac{3}{4}\right)$	[3]	$(3;-2)$
[4]	$\left(\frac{1}{4};\frac{1}{2}\right)$	[5]	$\left(\frac{1}{3};0\right)$	[6]	*Impossibile*
[7]	$\left(-\frac{2}{3};\frac{3}{4}\right)$	[8]	$\left(\frac{3}{5};-\frac{2}{5}\right)$	[9]	*Indeterminata*
[10]	$\left(\frac{1}{4};\frac{3}{2}\right)$	[11]	$(-1;1)$	[12]	$(5;-2)$
[13]	$(-3;2)$	[14]	$(3;1)$	[15]	$\left(-\frac{1}{5};0\right)$