

Nom : _____

MATH 9



Test 2	Systemes d'équations
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solution simple	solution indéterminée	solution impossible
$x = 0$	$0 = 0$	$0 = 1$
↓	↓	↓
$x = 0$	$S \subset \mathbb{R}^2$	$S = \emptyset$

Solve the following systems of equations :

	system of equations	solution
a)	$\begin{cases} 2x - y = 6 \\ x + y = 6 \end{cases}$	
b)	$\begin{cases} 2x - 3y = 0 \\ 3x + y = 0 \end{cases}$	
c)	$\begin{cases} 2x - 3y = 13 \\ 4x + 3y = -1 \end{cases}$	
d)	$\begin{cases} 3x - 5y = 6 \\ 3x + 4y = -3 \end{cases}$	
e)	$\begin{cases} 7x - 2y = 8 \\ 5x - 3y = 1 \end{cases}$	
f)	$\begin{cases} 2x - y = 5 \\ 3x + y = 10 \end{cases}$	
g)	$\begin{cases} 2x - 3y = -1 \\ x + 4y = 5 \end{cases}$	
h)	$\begin{cases} x + 4y = 3 \\ 4x + 2y = 5 \end{cases}$	
i)	$\begin{cases} 2x - 7y = 6 \\ x + 7y = 6 \end{cases}$	
j)	$\begin{cases} 7x - 5y = -2 \\ 2x + 3y = -5 \end{cases}$	