

## mobius

## **Linear Equation Systems - Simple Addition To Equation**



Add or subtract multiples of the second equation to the first equation to	$\begin{array}{c} A \\ 33x = 6 \end{array}$	Add or subtract multiples of the second equation to the first equation to	70p = 14 $70p = 8$
form a single solvable equation $6x+3d=33$	$egin{array}{ccc} B & 0 x = 33 \ C & 11 x = 11 \ \end{array}$	form a single solvable equation	
5x-3d=0	$ \begin{array}{c c} \hline  & 11x = 11 \\ \hline  & 11x = 33 \end{array} $	$egin{array}{l} 9p+12r=105 \ 5p-12r=-35 \end{array}$	-35p = 105 $14p = 105$
x = ?	E 33 $x=11$	p = ?	$egin{array}{cccc}  ilde{ t E} &  ilde{ t F} \ 14p = 7014p = 14 \end{array}$
	0x - 3x + 2 = 33		
Add or subtract multiples of the second equation to the first equation to form a single solvable equation	$egin{array}{c} egin{array}{c} \egin{array}{c} \egin{array}{c} \egin{array}{c} \egin{array}$	form a single solvable	$egin{array}{ c c c c c c c c c c c c c c c c c c c$
8x + 4c = 60	$\overset{ ext{c}}{10}x = 60 \overset{ ext{d}}{40}x = 7$	8y + 5m = 117	$egin{array}{c}  extstyle  extstyl$
2x - 4c = -20	E F	-8y + 9m = 9	E F
x = ?	40x = 10 $-20x = 60$	m=?	$oxed{14} m = oxed{14} am = oxed{117}$
Add or subtract multiples of the second equation to the first equation to form a single solvable equation	$\overset{^{A}}{20}c = 40\overset{^{B}}{40}c = 5$	Add or subtract multiples of the second equation to the first equation to form a single solvable equation	$egin{array}{c}  ext{A} \ 14n = 28 \ 14n = 14 \end{array}$
$egin{array}{c} 12c + 12p = 120 \ 8c - 12p = -80 \end{array}$	$egin{array}{c} { extstyle 20} { e$	$egin{array}{c} 9r + 10n = 74 \ -9r + 4n = -46 \ \end{array}$	$\begin{bmatrix} c \\ -46n = 74 \end{bmatrix}^{D} 28n = 5$
c = ?	$egin{array}{c} { t E} \\ { t 20}c = { t 120} \\ { t -80}c = { t 120} \end{array}$	n=?	$egin{array}{cccccccccccccccccccccccccccccccccccc$
Add or subtract multiples of the second equation to the first equation to form a single solvable equation	$egin{array}{c}  extstyle  extstyle A \ 90m = 15 \ 15m = 90 \ \end{array}$	Add or subtract multiples of the second equation to the first equation to form a single solvable equation	$egin{array}{c} { ext{A}} { ext{18}} r = 78 { ext{108}} r = 18 { ext{1}} $
$egin{array}{c} 5b + 9m = 69 \ -5b + 6m = 21 \ \end{array}$	$egin{smallmatrix}  c \ 15m = 69 \ 15m = 15 \end{split}$	$10r \pm 6m - 78$	$\stackrel{ extsf{c}}{ extsf{30}}r=78 \stackrel{ extsf{d}}{ extsf{18}}r=108$
m=?	$\stackrel{ extsf{E}}{21}m = 69 \stackrel{ extsf{F}}{90}m = 9$	r=?	$egin{array}{ c c c c c c c c c c c c c c c c c c c$