

mobius

Linear Equation Systems - Simple Equation Substitution To Equation



(1	Substitute the second
ı	equation into the first
	equation to form a single
	solvable equation

Substitute the second equation into the first quation to form a single solvable equation
$$^{\mathsf{A}}$$
 $10p+6p+2=92$

^A
$$10p + 6p + 2 = 92$$

$$2z + 7m = 117$$

$$^{\mathsf{C}} \ 21z + 3z - 4 = 117$$

$$4p+5d=92$$
 $^{\circ}$

$$m = 3z - 3$$

^D
$$21z + 3z + 3 = 117$$

$$p + 3\alpha = 32$$

$$0 30p - 6p - 1 = 92$$

$$z = ?$$

$$E 21z - 3z - 4 = 117$$

$$d = 6p - 2$$

 $p = ?$

E
$$4p - 6p + 2 = 30$$

A
$$40d - 2d + 4 = 12$$

 $^{\mathsf{F}} 21z - 3z + 3 = 117$

^A
$$16n - 4n - 5 = 112$$

 $^{\mathsf{F}}4p + 30p - 10 = 92$

$$^{\sf B} \, 6d + 20d - 40 = 12$$

$$oxed{{\sf B } 16n + 4n - 5} = 112$$

$$6d + 10y = 12$$

$$\begin{bmatrix} c & 6d-2d+1=20 \end{bmatrix}$$

$$4n+4z=112|^{\,\mathrm{c}}$$
 28 $n+4n+7=112|^{\,\mathrm{c}}$

$$^{\mathsf{C}}28n + 4n + 7 = 112$$

$$y = 2d - 4$$

D
$$20d-2d-0=12$$

$$z = 4n - 7$$

D
$$4n-4n+6=16$$

$$d=?$$

E
$$20d + 2d - 0 = 12$$

$$z=4n-1$$
 $n=7$

$$^{\mathsf{E}}4n + 16n - 28 = 112$$

 $^{\mathsf{F}}28n - 4n + 7 = 112$

$$egin{aligned} ^{\mathsf{F}} 40d + 2d + 4 &= 12 \ \hline ^{\mathsf{A}} 12b + 24b - 28 &= 116 \end{aligned}$$

^A
$$12d - 6d - 5 = 144$$

$$^{\sf B} \ 24b + 6b - 2 = 116$$

$$12b + 4x = 116$$

$$^{\text{C}}$$
 28 b – 6 b + 7 = 116

$$12d + 2b = 144$$

$$egin{aligned} {}^{\mathsf{B}}\mathbf{24}d + \mathbf{6}d + \mathbf{12} &= \mathbf{144} \\ {}^{\mathsf{C}}\mathbf{24}d - \mathbf{6}d + \mathbf{12} &= \mathbf{144} \end{aligned}$$

$$x = 6b - 7$$

$$^{\sf D} \ \ 24b-6b-2=116$$

$$b = 6d - 12$$

$$^{\sf D} \ 12d + 6d - 5 = 144$$

$$b = ?$$

E
$$12b - 6b + 3 = 24$$

$$b = 6d - 12$$

$$\frac{12d+0d-3-144}{}^{\mathsf{E}}$$

$$^{\mathsf{F}}28b + 6b + 7 = 116$$

$$d=?$$

F
$$12d - 6d + 6 = 12$$

$$^{\mathsf{A}} 6m + 5m + 2 = 25$$

 $^{\mathrm{B}}\!15m + 5m + 3 = 108$

$$6m + 5p = 108$$

$$6m + 25m - 15 = 108$$

$$11p + 5c = 134^{-9}$$

$$p=5m+3$$

$$^{ extsf{D}}$$
25 $m+5m+1=108$

$$c = 2p + 10$$

$$E11p + 10p - 50 = 134$$

$$m = ?$$

$$6m + 25m + 15 = 108$$
 $6m + 25m - 1 = 108$

$$c=2p+10$$
 $p=$?

$$\frac{11p + 10p - 50 = 134}{\mathsf{F}50p + 2p + 10 = 134}$$