

29

$$g - 10h = 43$$

$$g - 10h = 43$$



$$-g + 5h = 18$$

$$-g + 5h = 18$$

$$\underline{-5h = 61}$$

$$\underline{-5} \quad \underline{-5}$$

$$-g + 5\left(\frac{-61}{-5}\right) = 18$$

$$h = -\frac{61}{5}$$

$$-g + 61 = 18$$

$$+61 \quad +61$$

$$\underline{-g = 79}$$

$$g = -79$$

So... the solution is: $(-79, \frac{61}{5})$

② $2q = 7 - 5p$
 $4p - 16 = q$

$$\begin{array}{r} 2q = 7 - 5p \\ +5p \quad +5p \\ \hline 5p + 2q = 7 \end{array}$$

$$\begin{array}{r} 5p + 2q = 7 \\ +8p - 2q = 32 \\ \hline 13p = 39 \\ \hline 13 \quad 13 \\ \hline p = 3 \end{array}$$

$$\begin{array}{r} 4p - 16 = q \\ -q + 16 \quad -q + 16 \\ \hline 2(4p - q = 16) \end{array}$$

$$\begin{array}{r} 4(3) - q = 16 \\ 12 - q = 16 \\ -12 \quad -12 \\ \hline -q = 4 \\ -1 \quad -1 \\ \hline q = -4 \end{array}$$

So... the solution is: (3, 4)

②③

$$x - 3y = 30 \rightarrow x - 3y = 30$$

$$3y + x = 12 \rightarrow x + 3y = 12$$

$$x + 3y = 12$$

$$\begin{array}{r} x + 3y = 12 \\ + \\ x + 3y = 12 \\ \hline 2x = 42 \end{array}$$

$$\begin{array}{r} 2x = 42 \\ \hline 2 \quad 2 \end{array}$$

$$\boxed{x = -21}$$

② $2(9m - 3n = 20) \rightarrow 18m - 6n = 40$
 $3m + 6n = 2 \rightarrow +3m + 6n = 2$
 $21m = 42$
 $\frac{21}{21} = \frac{42}{21}$
 $m = 2$

$$\textcircled{18} \begin{cases} 3(x-y) = 0 \\ -3x-y = 2 \end{cases} \rightarrow \begin{cases} 3x-3y = 0 \\ -3x-y = 2 \end{cases}$$

$$\begin{array}{r} -4y = 2 \\ \hline -4 \quad -4 \end{array}$$

$$y = -\frac{1}{2}$$

$$x - \left(-\frac{1}{2}\right) = 0$$

$$x + \frac{1}{2} = 0$$

$$\begin{array}{r} -\frac{1}{2} \quad -\frac{1}{2} \\ \hline \end{array}$$

$$x = -\frac{1}{2}$$

$$-3x - \left(-\frac{1}{2}\right) = 2$$

$$-3x + \frac{1}{2} = 2$$

$$\begin{array}{r} -\frac{1}{2} \quad -\frac{1}{2} \\ \hline -3x = \frac{3}{2} \\ \hline -3 \quad -3 \end{array}$$

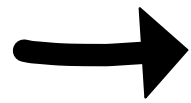
$$x = \frac{3}{2} \quad \therefore -3$$

$$x = \frac{3}{2} \quad \therefore -3$$

$$x = \frac{3}{2} \quad \therefore -3$$

25

$$\begin{aligned} y &= x - 9 \\ x + 8y &= 0 \end{aligned}$$



$$x + 8y = 0$$



$$\begin{aligned} & x + 8y = 0 \\ + & -x + y = 9 \\ \hline \end{aligned}$$

$$\begin{aligned} & y = x - 9 \\ \rightarrow & \end{aligned}$$

$$\begin{aligned} & -x \quad -x \\ \hline \end{aligned}$$

$$-x + y = -9$$

$$\begin{aligned} & 9y = -9 \\ \hline & 9 \quad 9 \\ \hline \end{aligned}$$

$$y = -1$$

O.T.L.

① pg 432: 13-18 all

-you must get the
1st problem approved
By me Before you
Can leave & do the rest.

② Do the CHECK for
every system problem
from last Night & today's