

/	NAME
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中2 連立方程式 計算総合NO 7

	mistake

解説6, 3

$$\textcircled{1} \begin{cases} 3(x-2) - 4y = 11 \\ y - \frac{3x-1}{2} = -6 \end{cases}$$

$$\begin{aligned} 3x - 6 - 4y &= 11 \\ 3x - 4y &= 17 \\ 2y - (3x - 1) &= -12 \\ 2y - 3x + 1 &= -12 \\ 2y - 3x &= -13 \end{aligned}$$

$$\begin{aligned} 3x - 4y &= 17 \\ \cancel{3x} - 2y &= -13 \\ +) \quad -3x + 2y &= -13 \\ \hline -2y &= 4 \\ y &= -2 \end{aligned}$$

$$x=3, y=-2$$

解説3

$$\textcircled{5} \begin{cases} 3x + y - 2 = 0 \\ 2(x+y) = 3(y+1) \end{cases}$$

$$x=1, y=-1$$

解説2

$$\textcircled{2} \begin{cases} 4x - 3y = 27 \\ 2x + 7y = 5 \end{cases}$$

$$x=6, y=-1$$

解説4

$$\textcircled{6} \begin{cases} \frac{1}{3}x + \frac{1}{6}y = \frac{1}{2} \\ \frac{3}{4}x + \frac{1}{2}y = 1 \end{cases}$$

$$x=2, y=-1$$

解説5

$$\textcircled{3} \begin{cases} x = -5y + 4 \\ -2x + 15y = -3 \end{cases}$$

$$\begin{aligned} -2(-5y+4) + 15y &= -3 \\ 10y - 8 + 15y &= -3 \\ 25y &= 5 \\ y &= \frac{1}{5} \end{aligned}$$

$$\begin{aligned} x &= -5 \times \frac{1}{5} + 4 \\ &= -1 + 4 \\ &= 3 \end{aligned}$$

$$x=3, y=\frac{1}{5}$$

解説5, 3

$$\textcircled{7} \begin{cases} x = 1.5y - 2.5 \\ 2x + y = 3 \end{cases}$$

$$x=\frac{1}{2}, y=2$$

解説7

$$\textcircled{4} \begin{cases} y = 4x - 6 \\ y = 3x - 2 \end{cases}$$

$$x=4, y=10$$

解説4

$$\textcircled{8} \begin{cases} \frac{2}{3}x + \frac{3}{4}y = 7 \\ 1.6x + y = 7.2 \end{cases}$$

$$x=-3, y=12$$