

/	NAME
/	

中2 連立方程式 計算総合NO 5

枚目	mistake

解説6

$$\textcircled{1} \begin{cases} \frac{x+2y}{6} - \frac{3x-y}{4} = 7 \\ 0.1x + 0.15y = -0.5 \end{cases}$$

$$2x + 4y - 9x + 3y = 84$$

$$\cdot -7x + 7y = 84$$

$$\cdot 10x + 15y = -50$$

$$-70x + 105y = 840$$

$$+ 170x + 105y = -350$$

$$175y = 490$$

$$y = \frac{490}{175}$$

$$= \frac{98}{35}$$

$$= \frac{14}{5}$$

$$x = -\frac{46}{5}, y = \frac{14}{5}$$

解説2

$$\textcircled{2} \begin{cases} 3x - 2y = -8 \\ 2x - 5y = 2 \end{cases}$$

$$10x + 15y = -50$$

$$10x + 15x \cdot \frac{14}{5} = -50$$

$$10x + 42y = 50$$

$$10x = -92$$

$$x = -\frac{92}{10}$$

$$x = -\frac{46}{5}$$

$$x = -4, y = -2$$

解説7

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

$$x = 3, y = 4$$

解説5

$$\textcircled{4} \begin{cases} y = 2x + 12 \\ 3x + y = -13 \end{cases}$$

$$x = -5, y = 2$$

解説3

$$\textcircled{5} \begin{cases} 0.1x + 0.5y = -1.4 \\ 0.4(x - 3y) = 0.8 \end{cases}$$

$$x = -4, y = -2$$

解説3

$$\textcircled{6} \begin{cases} 0.03x + 0.2y = -0.48 \\ 0.5x - 0.6y = 3.8 \end{cases}$$

$$x = 4, y = -3$$

解説3

$$\textcircled{7} \begin{cases} 2(x-1) + 3y = 4 \\ 4x + 5(y-2) = -15 \end{cases}$$

$$x = -\frac{45}{2}, y = 17$$

解説4

$$\textcircled{8} \begin{cases} \frac{2}{3}x + \frac{3}{5}y = \frac{8}{15} \\ \frac{1}{2}x + \frac{2}{3}y = \frac{17}{36} \end{cases}$$

$$x = \frac{1}{2}, y = \frac{1}{3}$$