2/3 1

1)

$$7 \cdot \begin{bmatrix} 5 & 10 \\ 7 & 12 \\ 11.3 & 5 \\ 25 & 30 \end{bmatrix} + 2 \cdot \begin{bmatrix} 5 & 10 \\ 7 & 12 \\ 11.3 & 5 \\ 25 & 30 \end{bmatrix} =$$

$$= \begin{bmatrix} 35 & 70 \\ 49 & 84 \\ 79.1 & 35 \\ 175 & 210 \end{bmatrix} + \begin{bmatrix} 10 & 20 \\ 14 & 24 \\ 22.6 & 10 \\ 50 & 60 \end{bmatrix} =$$

$$= \begin{bmatrix} 45 & 90 \\ 63 & 108 \\ 101.7 & 45 \\ 225 & 270 \end{bmatrix}$$

$$\begin{cases} 3x-2y+5z=7 \\ 7x+4y-8z=3 \\ 5x-3y-4z=-12 \end{cases}$$

$$\begin{cases} x=23z-45 \\ 345z-675-44z=-73 \\ y=2x-9z+19 \end{cases}$$

$$\begin{cases} 3x-2y+5z=7 \\ 7x+4y-8z=3 \\ 2x-y-9z=-19 \end{cases}$$

$$\begin{cases} x=23z-45 \\ 301z=602 \\ y=2x-9z+19 \end{cases}$$

$$\begin{cases} 3x-2y+5z=7 \\ 7x+4y-8z=3 \\ y=2x-9z+19 \end{cases}$$

$$x=1$$
$$z=2$$
$$y=3$$

$$\begin{cases} 3x-4x+18z-38+5z=7 \\ 7x+8x-36z+76-8z=3 \\ y=2x-9z+19 \end{cases}$$

$$\begin{cases} x=23z-45 \\ 15(23z-45)-44z=-73 \\ y=2x-9z+19 \end{cases}$$

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$$S_{\square} = 48 \qquad P_{\square} = 28$$

$$\begin{cases} x \cdot y = 48 \\ 2(x+y) = 28 \end{cases}$$

$$\begin{cases} xy = 48 \\ x = 14 - y \end{cases}$$

$$\begin{cases} (14-y)y = 48 \\ x = 14 - y \end{cases}$$

$$14y - y^2 - 48 = 0$$

$$y^2 - 14y + 48 = 0$$

$$\Delta = B^2 - 4ac = 196 - 192 = 4$$

$$y_1 = \frac{14+2}{2} = 8 \qquad y_2 = \frac{14-2}{2} = 6$$

$$x_1 = 6 \qquad x_2 = 8$$