Домашняя работа

Задание 1

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

$$= \frac{31x - 22}{3}$$

$$z = \frac{17 - 13x}{2}$$

$$3x - 2 \cdot \frac{31x - 22}{3} + 5 \cdot \frac{17 - 13x}{2} = 7 \quad \bigg/ \cdot 6$$

$$18x - 4(31x - 22) + 15(17 - 13x) = 42$$

$$-301x = -401$$

$$x = 1$$

$$y = \frac{31 \cdot 1 - 22}{3} = 3$$

$$z = \frac{17 - 13}{2} = 2$$

Ответ :

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