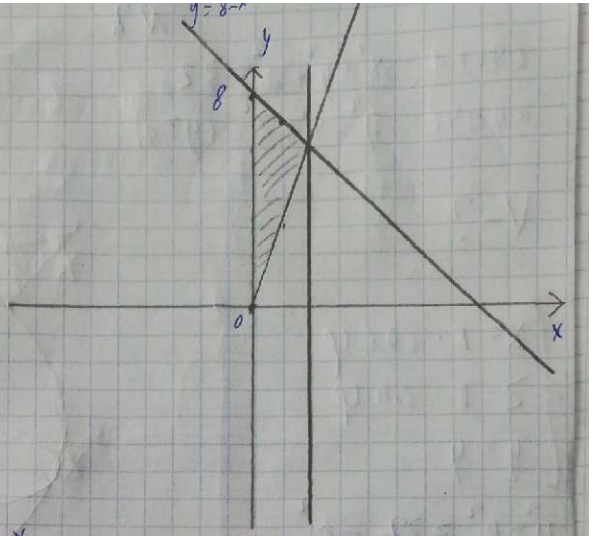
№1.

$$\int_0^2 dx \int_{3x}^{8-x} f(x,y)\,dy$$

$$\begin{cases} x = 2 \\ x = 0 \\ y = 8 - x \\ y = 3x \end{cases}$$

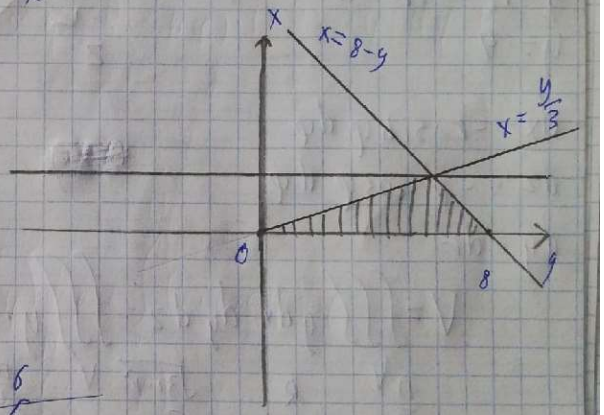


Область D: $0 \le x \le 2$

$3x \le y \le 8 - x$

$x = 8 - y$ $\quad x = 0$

$x = \frac{y}{3}$ $\quad x = 2$



$$\int_0^8 dy \int f(x,y)\,dx = \int_0^6 d$$

$$\int_0^2 dx \int_{3x}^{8-x} f(x,y)\,dy = \int_0^6 dy \int_0^{\frac{y}{3}} f(x,y)\,dx + \int_6^8 dy \int_0^{8-y} f(x,y)\,dx$$