

нелинейная система ур.

$$\begin{cases} x^2 + y \cdot x - 9 = 0 & \leftarrow \text{нелинейное ур-е} \\ x - y/5 = 0 & \leftarrow \text{линейное ур-е} \end{cases}$$

$$y = 5x$$

$$x^2 + 5x^2 - 9 = 0$$

$$6x^2 = 9$$

$$x^2 = \frac{3}{2}$$

$$x_{1,2} = \pm \sqrt{\frac{3}{2}}$$

$$y_1 = 5\sqrt{\frac{3}{2}}$$

$$y_2 = -5\sqrt{\frac{3}{2}}$$

$$\left(-\sqrt{\frac{3}{2}}; -5\sqrt{\frac{3}{2}}\right) \quad \left(\sqrt{\frac{3}{2}}; 5\sqrt{\frac{3}{2}}\right)$$

$$S = 48 \text{ м}^2; P = 28 \text{ м}, (a, b) = ?$$

023 $a > 0, b > 0$

$$\begin{cases} ab = 48 \\ 2(a+b) = 28 \end{cases}$$

$$a+b = 14$$

$$a = 14 - b$$

$$(14-b)b = 48$$

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

$$b_{1,2} = \frac{14 \pm \sqrt{D}}{2}$$

$$D = 14^2 - 4 \cdot 48 = 4$$

$$b_{1,2} = \frac{14 \pm \sqrt{4}}{2}$$

$$b_1 = 8, b_2 = 6$$

$$a_1 = 6, a_2 = 8$$

ответ: $(6, 8)$