

0.8
103

$$9^{\sqrt{x^2-4}} + 3 < 28 \cdot 3^{\sqrt{x^2-4}-1}$$

$$3^{2\sqrt{x^2-4}} + 3 < \frac{28}{3} \cdot 3^{\sqrt{x^2-4}}$$

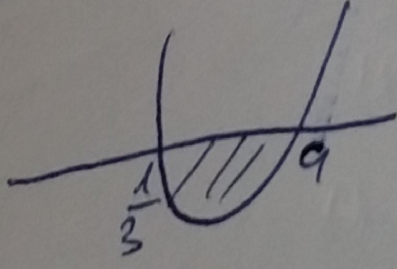
а замена

$$t = 3^{\sqrt{x^2-4}} \quad \text{по}$$

$$\begin{cases} x \geq 2 \\ x \leq -2 \end{cases}$$

$$t^2 + 3 < \frac{28}{3}t$$

$$3t^2 - 28t + 9 < 0$$



$$\frac{1}{3} < t < 9$$

$$3^{-1} < 3^{\sqrt{x^2-4}} < 3^2$$

$$-1 < \sqrt{x^2-4}$$

x > 0

$$\sqrt{x^2-4} < 2$$

$$x^2 - 4 < 4$$

$$x^2 < 8$$

$$-2\sqrt{2} < x < 2\sqrt{2}$$

$$2 \leq x < 2\sqrt{2}$$

по

$$-2\sqrt{2} < x \leq -2$$