

Решите простейшее тригонометрическое неравенство  $\operatorname{ctg} \frac{4x}{3} \leq \sqrt{3}$ .

- 1)  $\bigcup_{k \in \mathbb{Z}} \left( \frac{\pi}{8} + \frac{3\pi}{4}k; \frac{3\pi}{4} + \frac{3\pi}{4}k \right)$       2)  $\bigcup_{k \in \mathbb{Z}} \left[ \frac{\pi}{8} + \frac{3\pi}{4}k; \frac{3\pi}{4} + \frac{3\pi}{4}k \right]$   
3)  $\bigcup_{k \in \mathbb{Z}} \left[ \frac{\pi}{8} + \frac{3\pi}{4}k; \frac{3\pi}{4} + \frac{3\pi}{4}k \right)$       4)  $\bigcup_{k \in \mathbb{Z}} \left[ \frac{\pi}{8} + \frac{\pi}{4}k; \frac{3\pi}{4} + \frac{\pi}{4}k \right)$   
5)  $\bigcup_{k \in \mathbb{Z}} \left( \frac{\pi}{8} + \frac{3\pi}{4}k; \frac{3\pi}{4} + \frac{3\pi}{4}k \right]$       6)  $\bigcup_{k \in \mathbb{Z}} \left[ \frac{\pi}{8} + \frac{3\pi}{2}k; \frac{3\pi}{4} + \frac{3\pi}{2}k \right)$