

Решите простейшее тригонометрическое неравенство $\operatorname{tg} 4x < 1$.

- 1) $\bigcup_{k \in \mathbb{Z}} \left[-\frac{\pi}{8} + \frac{\pi k}{4}; \frac{\pi}{16} + \frac{\pi k}{4} \right)$ 2) $\bigcup_{k \in \mathbb{Z}} \left(-\frac{\pi}{8} + \frac{\pi k}{4}; \frac{\pi}{16} + \frac{\pi k}{4} \right)$
- 3) $\bigcup_{k \in \mathbb{Z}} \left[-\frac{\pi}{8} + \frac{\pi k}{4}; \frac{\pi}{16} + \frac{\pi k}{4} \right]$ 4) $\bigcup_{k \in \mathbb{Z}} \left(-\frac{\pi}{8} + \frac{\pi k}{4}; \frac{\pi}{8} + \frac{\pi k}{4} \right)$
- 5) $\bigcup_{k \in \mathbb{Z}} \left[-\frac{\pi}{8} + \frac{\pi k}{4}; \frac{\pi}{16} + \frac{\pi k}{4} \right]$ 6) $\bigcup_{k \in \mathbb{Z}} \left(-\frac{\pi}{8} + \frac{\pi k}{4}; \frac{\pi}{8} + \frac{\pi k}{4} \right]$