

Решите простейшее тригонометрическое неравенство $\sin x > \frac{1}{2}$.

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