

Решите систему неравенств:  $\begin{cases} 2\sin 2x + \sqrt{2} \geq 0, \\ 2\cos 2x - 1 \leq 0. \end{cases}$

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