

Укажите все решения неравенства $\sin x \geq \frac{\sqrt{3}}{2}$ на интервале $(0; 5\pi)$.

1) $\left[\frac{7\pi}{3}; \frac{8\pi}{3}\right]$

2) $\left[\frac{13\pi}{3}; \frac{14\pi}{3}\right]$

3) $\left[\frac{\pi}{6}; \frac{2\pi}{6}\right]$

4) $\left[\frac{\pi}{3}; \frac{2\pi}{6}\right]$

5) $\left[\frac{7\pi}{6}; \frac{8\pi}{6}\right]$

6) $\left[\frac{\pi}{3}; \frac{2\pi}{3}\right]$

7) $\left[\frac{13\pi}{6}; \frac{14\pi}{6}\right]$

8) $\left[\frac{\pi}{6}; \frac{2\pi}{3}\right]$