

1. Решите простейшее тригонометрическое неравенство
 $2 \sin x \geq -\sqrt{3}$.

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

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

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

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

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

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