1. Решите простейшее тригонометрическое неравенство $3\operatorname{tg}\dfrac{3x}{2} \leqslant -\sqrt{3}$.

1) $\bigcup\limits_{k\in\mathbb{Z}}\left[-\dfrac{\pi}{3}+\dfrac{2\pi k}{3};\ -\dfrac{\pi}{9}+\dfrac{2\pi k}{3}\right]$

2) $\bigcup\limits_{k\in\mathbb{Z}}\left(-\dfrac{\pi}{3}+\dfrac{2\pi k}{3};\ -\dfrac{\pi}{9}+\dfrac{2\pi k}{3}\right)$

3) $\bigcup\limits_{k\in\mathbb{Z}}\left(-\dfrac{\pi}{3}+\dfrac{2\pi k}{3};\ -\dfrac{\pi}{9}+\dfrac{2\pi k}{3}\right]$

4) $\bigcup\limits_{k\in\mathbb{Z}}\left[-\dfrac{\pi}{3}+\dfrac{2\pi k}{3};\ -\dfrac{\pi}{9}+\dfrac{2\pi k}{3}\right)$

5) $\bigcup\limits_{k\in\mathbb{Z}}\left(-\dfrac{\pi}{3}+\dfrac{\pi k}{3};\ -\dfrac{\pi}{9}+\dfrac{\pi k}{3}\right]$

6) $\bigcup\limits_{k\in\mathbb{Z}}\left(-\dfrac{\pi}{3}+\dfrac{4\pi k}{3};\ -\dfrac{\pi}{9}+\dfrac{4\pi k}{3}\right]$