Решите уравнение $f'(x)=0$, если $f(x)=\sin 2x\cdot\cos 3x+\cos 3x\cdot\sin 2x$.

1) $\left\{\frac{\pi}{10}+\frac{\pi}{10}n : n\in\mathbb{Z}\right\}$ 2) $\left\{\frac{\pi}{10}+\frac{2\pi}{5}n : n\in\mathbb{Z}\right\}$ 3) $\left\{\frac{\pi}{5}+\frac{\pi}{5}n : n\in\mathbb{Z}\right\}$ 4) $\left\{\frac{\pi}{5}+\frac{2\pi}{5}n : n\in\mathbb{Z}\right\}$

5) $\left\{\frac{\pi}{10}+\frac{\pi}{5}n : n\in\mathbb{Z}\right\}$ 6) $\left\{\frac{\pi}{5}+\frac{\pi}{10}n : n\in\mathbb{Z}\right\}$ 7) $\left\{\frac{2\pi}{5}+\frac{\pi}{5}n : n\in\mathbb{Z}\right\}$ 8) $\left\{\frac{2\pi}{5}+\frac{2\pi}{5}n : n\in\mathbb{Z}\right\}$