

$$\begin{aligned} \text{33} \quad \lim_{x \rightarrow 0} \frac{5x - \sin 2x}{3x + 3\sin 4x} &= \lim_{x \rightarrow 0} \frac{\frac{5x}{4x} - \frac{\sin 2x}{4x}}{\frac{3x}{4x} + \frac{3\sin 4x}{4x}} = \frac{\frac{5}{4} - \frac{1}{2}}{\frac{3}{4} + 3} = \frac{\frac{6}{4}}{\frac{15}{4}} = \frac{6}{30} = \frac{1}{5} \end{aligned}$$