

$$\begin{aligned}
 & \frac{-6}{(133)} \quad \lim_{h \rightarrow 0} \frac{\sin(3x+3h) - \sin 3x}{h} = \lim_{h \rightarrow 0} 2 \sin \frac{3h}{2} \cos \left(3x + \frac{3h}{2} \right) \cdot \frac{3}{2} = \lim_{h \rightarrow 0} \frac{\sin \frac{3h}{2}}{\frac{3h}{2}} \cdot 3 \cos \left(3x + \frac{3h}{2} \right) \\
 & = \lim_{h \rightarrow 0} 3 \cos \left(3x + \frac{3h}{2} \right) = 3 \cos 3x
 \end{aligned}$$