(h) $\lim_{x \to 0} \dfrac{\operatorname{sen} 3x}{\operatorname{sen} 5x}$

$$\lim_{x \to 0} \frac{\operatorname{sen} 3x}{\operatorname{sen} 5x} = \lim_{x \to 0} \frac{\operatorname{sen} 3x}{3x} \cdot \frac{1}{\frac{\operatorname{sen} 5x}{5x}} \cdot \frac{3}{5}$$

$$= \frac{3}{5} \lim_{x \to 0} \frac{\operatorname{sen} 3x}{3x} \cdot \lim_{x \to 0} \frac{1}{\frac{\operatorname{sen} 5x}{5x}} = \frac{3}{5} \cdot 1 \cdot 1 = \frac{3}{5}$$