

Monday - August 24, 2015

$$(45) f(x) = \begin{cases} x, & x \leq 1 \\ x^2, & x > 1 \end{cases}$$

everywhere continuous

$$(5) \lim_{x \rightarrow 0} \frac{\sin 5x \cdot \frac{5}{5}}{x}$$

$$\lim_{x \rightarrow 0} \frac{5(\sin 5x)}{5x}$$