Math 280 3^{rd} semester 1444
Quiz #2

Compute $f'(x)$ if

$$f(x) = \begin{cases} x^3 \sin \frac{1}{x}, & \text{if } x \neq 0 \\ 0, & \text{if } x = 0. \end{cases} \tag{1}$$

Where $f'(x)$ is continuous.