

25 #10

$$y = x \sin\left(\frac{5}{x}\right) = x \sin(\tilde{5x^{-1}})$$

$$\rightarrow y' = 1 \sin\left(\frac{5}{x}\right) + x \cos\left(\frac{5}{x}\right) \cdot (-5x^{-2}) \leftarrow$$

$$\frac{d}{dx}\left[\frac{5}{x}\right] = \frac{0 \cdot x - 5 \cdot 1}{x^2} = -\frac{5}{x^2} \leftarrow$$