$$y = (5 - 2x)^{-3} + \frac{1}{8}\left(\frac{2}{x} + 1\right)^{4}$$

$$\frac{d}{dx}\left((5 - 2x)^{-3} + \frac{1}{8}\left(\frac{2}{x} + 1\right)^{4}\right)$$

$$= \frac{d}{dx}\left((5 - 2x)^{-3}\right) + \frac{d}{dx}\left(\frac{1}{8}\left(\frac{2}{x} + 1\right)^{4}\right)$$

$$= \frac{6}{(5-2x)^{4}} - \frac{(2+x)^{3}}{x^{5}}$$

https://docs.google.com/document/d/10ApykQ-hq8JFs7_O0LUn_ryRNhgfBVON_KYP3I4fbIM/edit?usp=sharing