182. $y' = \dfrac{1}{x \operatorname{sen} y + 2 \operatorname{sen} 2y}$.

$$\frac{dy}{dx} = \frac{1}{x \cdot \operatorname{sen}(y) + 2 \operatorname{sen}(2y)}$$

$$\frac{dy}{dx} \cdot \left(x \cdot \operatorname{sen}(y) + 2 \operatorname{sen}(2y) \right) = 1 \qquad EDO(1)\ NL$$

$$\frac{dx}{dy} = x \cdot \operatorname{sen}(y) + 2 \operatorname{sen}(2y)$$

$$\frac{dx}{dy} - \operatorname{sen}(y) \cdot x = 2 \operatorname{sen}(2y) \qquad x(y) \qquad EDO(1)\ L.c.v.\ N/H$$