Derivative of common functions

$$\frac{1}{\sqrt{3x}} = n \cdot x^{1-1}; n \neq 0, n : \text{vational number}$$

2.
$$\frac{d(\log x)}{dx} = 1/x$$

3.
$$\frac{d(e^x)}{dx} = e^x$$

$$4 \cdot \frac{d|x|}{dx} = \begin{cases} 1 & \text{if } x > 0 \\ ND & \text{if } x = 0 \\ -1 & \text{if } x < 0 \end{cases}$$