Please Differential

$$31y = \frac{\sin x}{x}$$

$$32 \quad y = e^{x*In(x)}$$

$$33 \quad y = x * In(e^x - 1)$$

$$34 \quad y = \frac{1}{\sqrt{x^2 + 1}}$$

$$35 \quad y = \frac{x^2}{e^x}$$