

数Ⅲ (対数関数の導関数②)

⑥ 次の関数を微分せよ。

$$\textcircled{1} y = (\log x)^2$$

$$\textcircled{2} y = \frac{\log x}{x}$$

$$\textcircled{3} y = \log(x + \sqrt{x^2 + 3})$$

$$\textcircled{4} y = \log \frac{1 + \sin x}{1 - \sin x}$$