Tuesday, March 1, 2022 11:25 AM

Tips And Tricks

Write $y = [f(x)]^{g(x)} = e^{g(x)\ln f(x)}$

And differentiate easily.

Or,

If $y = [f(x)]^{g(x)}$ $\Rightarrow$ then $\frac{dy}{dx}$ = Differential of y treating $f(x)$ as constant

+

Differential of y treating $g(x)$ as constant.