28.
$$\log [\log (\log x^5)]$$

Sol. Let $y = \log [\log (\log x^5)]$

$$\therefore \frac{dy}{dx} = \frac{d}{dx} [\log(\log \log x^5)]$$

$$= \frac{1}{\log \log x^5} \cdot \frac{d}{dx} (\log \cdot \log x^5)$$

$$= \frac{1}{\log \log x^5} \cdot \frac{1}{\log x^5} \cdot \frac{d}{dx} \log x^5$$

$$= \frac{1}{\log \log x^5} \cdot \frac{1}{\log x^5} \cdot \frac{d}{dx} (5 \log x)$$

$$= \frac{5}{x \cdot \log(\log x^5) \cdot \log(x^5)}$$

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Try to solve exemplar problems specifically from 25-43 for this video's concepts.