MA1014 26/1/22

Integrals of Esep & Log.

We know
$$\frac{d}{dz}(e^{\alpha}) = e^{\alpha}$$

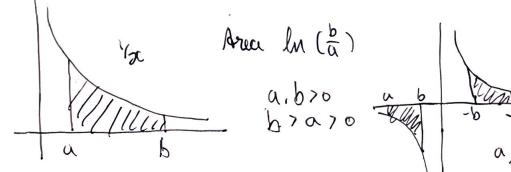
Also
$$\int 2^{\infty} ds = \frac{1}{\ln 2} 2^{\infty} + C$$

$$a^{\infty} = (e^{(na)^{\infty}} = e^{ma \cdot x})$$

We know of (ln x) = 1/x

$$\int_{\infty}^{1} dx = \ln x + c \qquad (x > 0)$$

$$\int_{a}^{b} \frac{1}{x} dx = \ln(b) - \ln(a) = \ln(\frac{b}{a})$$



Arun
$$\int_{a}^{b} \int_{a}^{b} ds = -\int_{-b}^{-q} \int_{a}^{c} ds = -\ln\frac{a}{b} = \ln\frac{(b_{a})}{a}$$

Chalow was

$$\int_{a}^{b} dx dx = \ln|x|$$

$$\int_{a}^{b} dx dx = \ln|x| - \ln|x| = \ln \frac{b}{a}$$

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