Integration By Parts April 20, 2021

 $1 \mid \int \ln x dx$

$$\int \ln x dx = \int 1 \ln x dx$$

$$= x \ln x - \int x \frac{1}{x} dx$$

$$= x \ln x - \int 1 dx$$

$$= x \ln x - x$$

2 | **\$∫tan** -x dx \$

$$x\tan^- x - \int x \frac{1}{x^2 + 1} dx$$

Taproot · 2020-2021 Page 1 of 1