

EJERCICIO M2BE3366 b:

$$\int \frac{e^{3x}}{1+e^{3x}} dx =$$

$$\boxed{\int \frac{f'(x)}{f(x)} dx = \ln(f(x)) + C}$$

$$= \frac{1}{3} \int \frac{3 \cdot e^{3x} \rightarrow f'(x)}{1+e^{3x} \rightarrow f(x)} dx$$

$$= \frac{1}{3} \ln(1+e^{3x}) + C$$