

EXERCÍCIO 7



$$\int \underline{x^4} e^{\underline{-x^5}} dx = \int e^u \frac{du}{-5} = -\frac{1}{5} \int e^u du =$$

$$u = -x^5$$

$$du = -5x^4 dx$$

$$\frac{du}{-5} = \underline{x^4 dx}$$

$$= -\frac{1}{5} e^u = -\frac{1}{5} e^{-x^5} + C //$$

$$= \underline{\frac{-e^{-x^5}}{5} + C} //$$