## Cálculo

— Formulário 3 — 2020'21 —

## Primitivas Imediatas

 $(u:I\longrightarrow \mathbb{R}$  é uma função derivável num intervalo I e  $\mathcal C$  denota uma constante real arbitrária)

$$\int a \, dx = ax + \mathcal{C}$$

$$\int \frac{u'}{u} \, dx = \ln|u| + \mathcal{C}$$

$$\int u' \cos u \, dx = \sin u + \mathcal{C}$$

$$\int u' \tan u \, dx = -\cos u + \mathcal{C}$$

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$$\int u' \cot u \, dx = -\cos u + \mathcal{C}$$

$$\int \frac{u'}{\cos^2 u} \, dx = -\cos u + \mathcal{C}$$

$$\int \frac{u'}{\sqrt{1 - u^2}} \, dx = -\cos u + \mathcal{C}$$

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$$\int \frac{u'}{\sqrt{1$$