

## INTEGRALI CON FUNZIONI COMPOSITE

- $\int [f(x)]^\alpha \cdot f'(x) dx = \frac{[f(x)]^{\alpha+1}}{\alpha+1} + c \quad (\text{con } \alpha \neq -1)$
- $\int \frac{f'(x)}{f(x)} dx = \ln|f(x)| + c$
- $\int e^{f(x)} \cdot f'(x) dx = e^{f(x)} + c$
- $\int a^{f(x)} \cdot f'(x) dx = \frac{a^{f(x)}}{\ln a} + c$
- $\int \sin f(x) \cdot f'(x) dx = -\cos[f(x)] + c$
- $\int \cos f(x) \cdot f'(x) dx = \sin[f(x)] + c$
- $\int \frac{f'(x)}{\cos^2 f(x)} dx = \tan[f(x)] + c$
- $\int \frac{f'(x)}{\sin^2 f(x)} dx = -\cot[f(x)] + c$
- $\int \frac{f'(x)}{1+[f(x)]^2} dx = \arctan[f(x)] + c$
- $\int \frac{f'(x)}{\sqrt{1-[f(x)]^2}} dx = \arcsin[f(x)] + c$