

Section 7.2 Integration by Parts

Integration by Parts

$$\int f(x)g'(x) dx = f(x)g(x) - \int f'(x)g(x) dx \text{ or } \int u dv = uv - \int v du.$$

LIATE Order for choosing “u:” **L**ogarithmic functions, **I**nverse trigonometric functions, **A**lgebraic functions, **T**rigonometric functions, and **E**xponential functions