

PROPIEDADES DE LA INTEGRAL DEFINIDA

$$1. \int_a^b f(x) dx = - \int_b^a f(x) dx$$

$$2. \int_a^a f(x) dx = 0$$

$$3. \int_a^b c dx = c \cdot (b - a); \text{ } c \text{ cte.}$$

$$4. \int_a^b [f(x) \pm g(x)] dx = \int_a^b f(x) dx \pm \int_a^b g(x) dx$$

$$5. \int_a^b c f(x) dx = c \int_a^b f(x) dx \quad ; \quad c \text{ cte.}$$

$$6. \int_a^b f(x) dx + \int_b^c f(x) dx = \int_a^c f(x) dx$$