$\int_{a}^{b} f(x) dx \sim c_{a} f(a) + c_{b} f(b)$ $\int_{a}^{b} f(x) dx = \frac{h}{2} (f(a) + f(b))$ Cn = b - Cb = b - 2 b = 2 b $\int_{a}^{b} dx = b - a = C_a + C_b$ $T(h) - \frac{1}{2}(f(0) + f(b)) = \frac{bh^2}{12}f(f)$ $\int_{a}^{b} x \, dx = \frac{1}{2} x^{2} \Big|_{a}^{b} = \frac{1}{2} (b^{2} - a^{2}) = C_{a} a + C_{b} b$