Rules of summation

D & car = c & ar. Theorem! (3) $\sum_{k=1}^{N} (a^{k} + e^{k}) = \sum_{k=1}^{N} a^{k} + \sum_{k=1}^{N} e^{k}$ $\frac{N}{2} c = c n.$ $\sum_{k=1}^{N} k = N(n+1)$ $\sum_{k=1}^{N} k^{2} = N(n+1)(2n+1)$ $\frac{N}{\sum_{k=1}^{N} k^{3} = N^{2} (n+1)^{2}}$ Few rules of integration Theorem $\int_{\Gamma} f(n) dx = - \int_{\Gamma} f(n) dx.$ (3) $\int (f(x) + g(x)) dx = \int f(x) dx + \int g(x) dx.$ (4) Scfindr = c Sfindr for any 6 runber 5 Sfindr = Sfindr + Sfindr. SIF(n)(dx is sum of ageas bounded a by f and x-axis on [a,6]