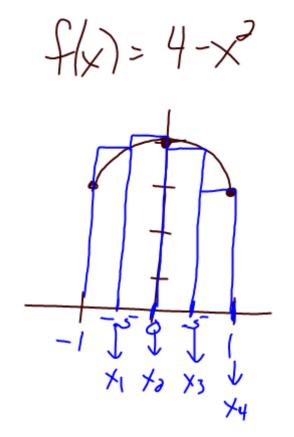


[0,1] 10=n rectangles y= f(x)= 2x-2x2  $A_{i\nu} = \sum_{j=1}^{10} f(\mathbf{x}_j) \propto \mathbf{x}_j$  $\Delta X = \frac{b-c}{2} = \frac{1-0}{10} = \frac{1}{10}$  $X_i = X_i + b X_i = 0 + \frac{1}{10}i$  $= \sum_{i=1}^{10} f\left(\frac{1}{10}i\right) \frac{1}{10}$  $X_1^* = \frac{1}{16} \frac{1}{1} = \frac{1}{16}$  $= \sum_{i=1}^{10} \left[ \frac{1}{5} - \frac{1}{50} \right]_{10}^{11}$  $= \frac{1}{50} \sum_{i=1}^{10} - \frac{1}{500} \sum_{i=1}^{10} i^{2}$  $= \frac{1}{50} \left( \frac{10(11)}{3} \right) - \frac{1}{500} \left( \frac{10(11)(31)}{6} \right) = \frac{33}{100} = (.33)$  $f(x) = 2x - 2x^2$ - .18 +.32



right -1,17 n=4 $\Delta X = \frac{|-(-1)|}{4} \left( \frac{1}{2} \right)$  $A_{4} = \sum_{i=1}^{4} f(x_{i}) \Delta X$ X;=-1+=i  $X_{i}^{\prime} = -1 + \frac{1}{2}$  $= \int f(x_1) + f(x_2) + f(x_3) + f(x_4) \int dx$  $= [f(-,s) + f(0) + f(.s) + f(0)] \delta X$  $=(3,75+4+3,75+3)^{\perp}$