appox displacement 1) v(t) = = = on 14+ 47 W/ n=3 subint. we can find the start/ending points of these intervals w/ b-a = 7-1 = 2 b-a where 7=b + a=1 so starting at 1 then count that many steps [1,3,5,7] area of this is 2. = to visualize = if we want to appoximate = the area under this curve, we can instead take the value to be constant over some interval and simply count up the areas of the rectangles. From the right: acement= $S(3)-S(1)=\int_{-1}^{3}v(+) \approx 2 \cdot \frac{1}{5} + 2 \cdot \frac{1}{15} + 2 \cdot \frac{1}{25}$ From the left: displacment = 2-13+2-25 + 2-35/ (use X= {2, 4, 63) From middle: 2-10+2-20+2-301



