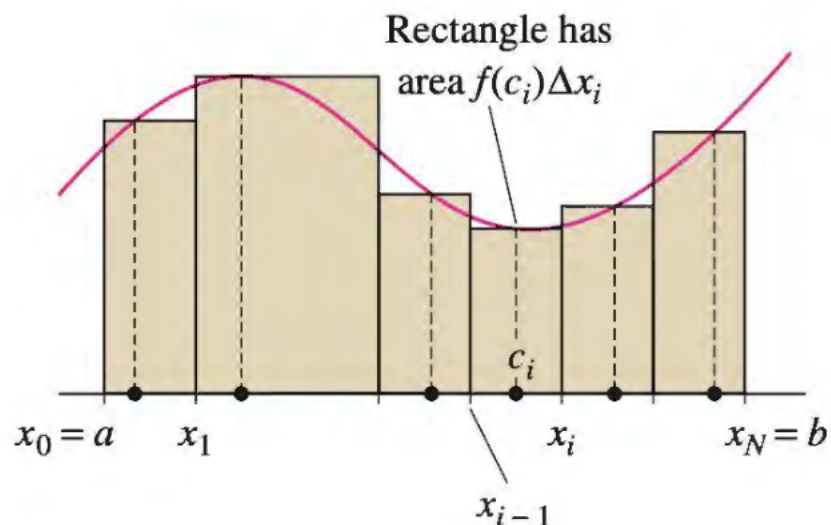
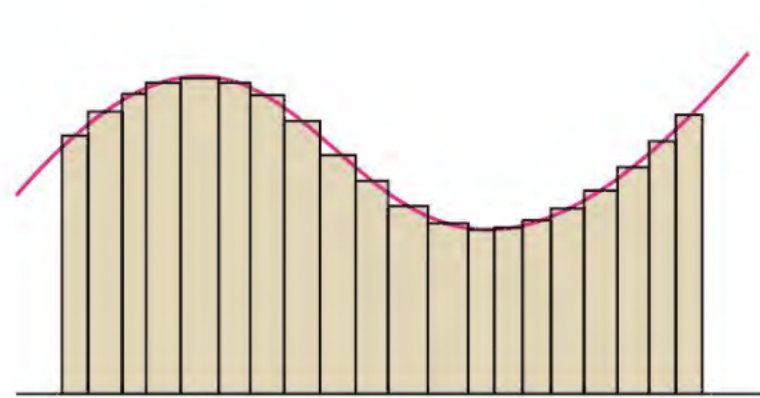


(A) Partition of  $[a, b]$  into subintervals



(B) Construct rectangle above each subinterval of height  $f(c_i)$



(C) Rectangles corresponding to a Riemann sum with  $\|P\|$  all (a large number of rectangles).