

NOTE CHECK → 4.3

$$\text{EX 1: } \sum_{k=1}^{10} k(k+1)$$

AREA = \lim

LEFT ENDPOINTS: x_k^*

RIGHT ENDPOINTS: x_k^*

MIDPOINTS: x_k^*

EX 2: FIND THE AREA UNDER $f(x) = x^2$ ON $[0, 1]$ USING
RIGHT ENDPOINTS.

① $\Delta x =$

② $x_k^* =$

③ $f(x_k^*) \rightarrow$

④ $\sum_{k=1}^n f(x_k^*) \Delta x \rightarrow$

⑤ $\lim_{n \rightarrow \infty}$

Ex 4: $f(x) = 2x - x^3$, $[0, 1]$ w/ RIGHT ENDPOINTS