1 | **Reading**

1.1 | **Definition of a Definite Integral**

For each interval $[x_i, x_{i+1}]$, we choose x_i^* in the interval to be the position of the minimum (for lower bound) or maximum (upper bound) value.

2 | **Problems**

2.1 | **exr1.3**

Using the left edge: -8.4375

Summation notation for left edge approximation:

$$\sum_{i=0}^{n} \underbrace{\frac{b-a}{n}}_{\text{width}} \underbrace{a + \frac{b-a}{n}i}_{\text{height}}$$