Labels on graph (top, vertical): $2 + \Delta x$, $2 + 2\Delta x$, $2 + 3\Delta x$, $2 + 4\Delta x$, $2 + (n-1)\Delta x$

On x-axis: 2, 5

Left-side labels: $f(2)$, $f(2+\Delta x)$, $f(2+2\Delta x)$, $f(2+3\Delta x)$, $f(2+4\Delta x)$, $f(2+(n-1)\Delta x)$

$$\Delta x = \frac{5-2}{n} = \frac{3}{n}$$

$$\Delta x \cdot f(2) + \Delta x \cdot f(2+\Delta x) + \Delta x \cdot f(2+2\Delta x) + \Delta x \cdot f(2+3\Delta x) + ... + \Delta x \cdot f(2+(n-1)\Delta x) = \Delta x \cdot \sum_{k=1}^{n} f(2 + (k-1) \cdot \Delta x)$$

$$= \Delta x \cdot \sum_{k=1}^{n} -2 - (k-1) \cdot \Delta x$$

$$= \frac{3}{n} \cdot \sum_{k=1}^{n} -2 - (k-1) \cdot \frac{3}{n}$$

$$= \frac{3}{n} \cdot \sum_{k=1}^{n} \frac{-2n - 3k + 3}{n}$$

$$= \sum_{k=1}^{n} \frac{9 - 6n - 9k}{n^2}$$