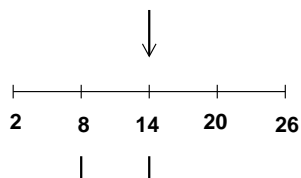


1. Answer the following about using a Riemann sum using 4 rectangles with equal bases for the function $f(x) = x^3 + 8$ from $x = 2$ to $x = 26$. Note: start counting the rectangles from the left side of the interval.

(a) base of each rectangle = $\frac{26 - 2}{4} = 6$

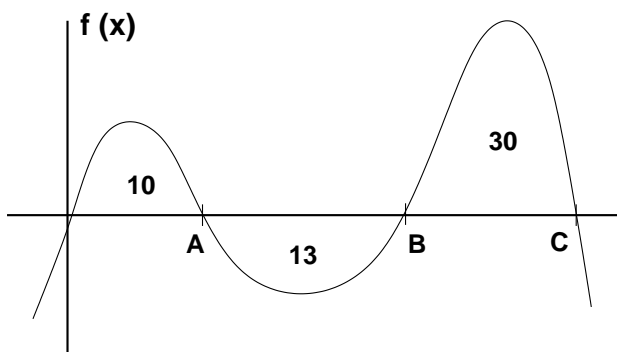
- (b) If the right endpoint method is used, what would be the height of the second rectangle?

The chart below shows the starting and stopping of each rectangle. The arrow points to the number used to compute the height of the desired rectangle.



Height : $f(14) = 2752$

2. Use the graph of $f(x)$ to answer these questions.



(a) $\int_0^B f(x) dx = -3$

(b) $\int_B^C 3f(x) dx = 3 * 30 = 90$