

Section 5-1: Additional Problems

1. Calculate the Riemann sum for the function $f(x) = 2x^2 + 5$ on the interval $[2, 8]$ using a left sum with 4 rectangles of equal width.
2. The table gives function values of $f(x)$ at a variety of values of x .

x	0	1	2.5	3	5	6	9
$f(x)$	5	7	10	13	18	25	34

Use this information to compute the Riemann sum for $f(x)$ from

- (a) $x = 0$ to $x = 5$ using a right sum.
- (b) $x = 1$ to $x = 6$ using a left sum.