Assignment: Riemann sum tables

For each problem, use a left-hand Riemann sum to approximate the integral based off of the values in the table.

1) $\displaystyle\int_0^9 f(x)\,dx$

x	0	2	4	7	9
$f(x)$	5	7	5	6	7

2) $\displaystyle\int_0^9 f(x)\,dx$

x	0	3	4	7	9
$f(x)$	3	4	6	4	3

3) $\int_{0}^{9} f(x)\, dx$

x	0	3	6	7	9
$f(x)$	7	6	5	6	4

4) $\int_{0}^{8} f(x)\, dx$

x	0	1	3	5	8
$f(x)$	5	7	6	5	6

For each problem, use a right-hand Riemann sum to approximate the integral based off of the values in the table.

5) $\int_{0}^{9} f(x)\, dx$

x	0	1	2	3	9
$f(x)$	6	4	2	3	5

6) $\displaystyle\int_0^9 f(x)\,dx$

x	0	1	5	6	9
$f(x)$	6	7	6	7	6

7) $\displaystyle\int_0^{10} f(x)\,dx$

x	0	5	8	9	10
$f(x)$	4	3	5	3	5

8) $\displaystyle\int_0^{10} f(x)\,dx$

x	0	1	2	8	10
$f(x)$	3	2	4	5	7

Answers to Assignment: Riemann sum tables

1) 51

2) 39

3) 56

4) 46

5) 39

6) 56

7) 38

8) 50