

CLASS PROGRAM

NAME _____ ADDRESS _____
SCHOOL _____ CLASS _____

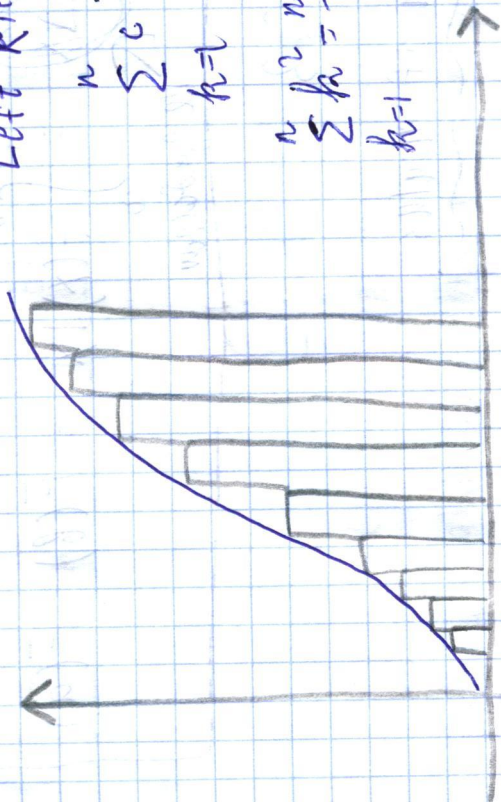
TIME	FROM TO...	PERIOD 1	PERIOD 2	PERIOD 3	PERIOD 4	PERIOD 5	PERIOD 6	PERIOD 7	PERIOD 8
		SUBJECT	SUBJECT	SUBJECT	SUBJECT	SUBJECT	SUBJECT	SUBJECT	SUBJECT
		ROOM	ROOM	ROOM	ROOM	ROOM	ROOM	ROOM	ROOM
		INSTRUCTOR	INSTRUCTOR	INSTRUCTOR	INSTRUCTOR	INSTRUCTOR	INSTRUCTOR	INSTRUCTOR	INSTRUCTOR
		SUBJECT	SUBJECT	SUBJECT	SUBJECT	SUBJECT	SUBJECT	SUBJECT	SUBJECT
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		SUBJECT	SUBJECT	SUBJECT	SUBJECT	SUBJECT	SUBJECT	SUBJECT	SUBJECT
		ROOM	ROOM	ROOM	ROOM	ROOM	ROOM	ROOM	ROOM
		INSTRUCTOR	INSTRUCTOR	INSTRUCTOR	INSTRUCTOR	INSTRUCTOR	INSTRUCTOR	INSTRUCTOR	INSTRUCTOR

9 3/4 In. x 7 1/2 In.
MADE IN U.S.A.

Ch. 5. Riemann Sum

Left Riemann Sum

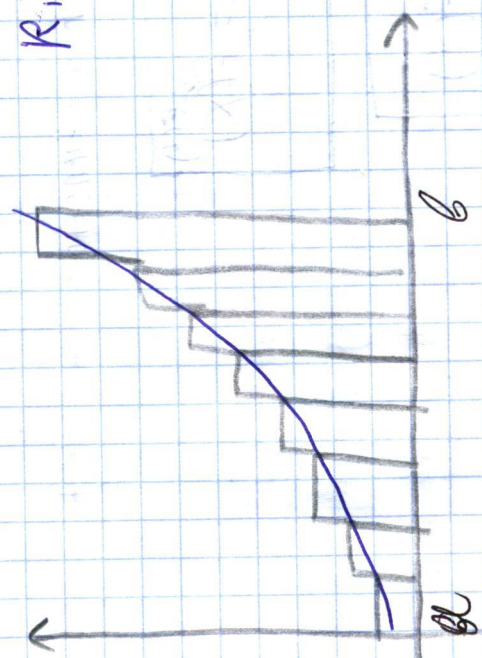
$$\sum_{k=1}^n c = cn$$
$$\sum_{k=1}^n k^2 = \frac{n(n+1)(2n+1)}{6}$$
$$\sum_{k=1}^n k = \frac{n(n+1)}{2}$$
$$\sum_{k=1}^n k^3 = \frac{n^2(n+1)^2}{4}$$



Right Riemann Sum

$$b - a = \Delta x \cdot n$$
$$\Delta x = \frac{b-a}{n}$$

n = number of rectangles



Finding Riemann Sum:

1) $\Delta x = \frac{b-a}{n}$

2) $x_k = a + k\Delta x$

3) $f(x_k) = ?$

4) Riemann Sum: $\sum_{k=1}^n f(x_k) \Delta x$