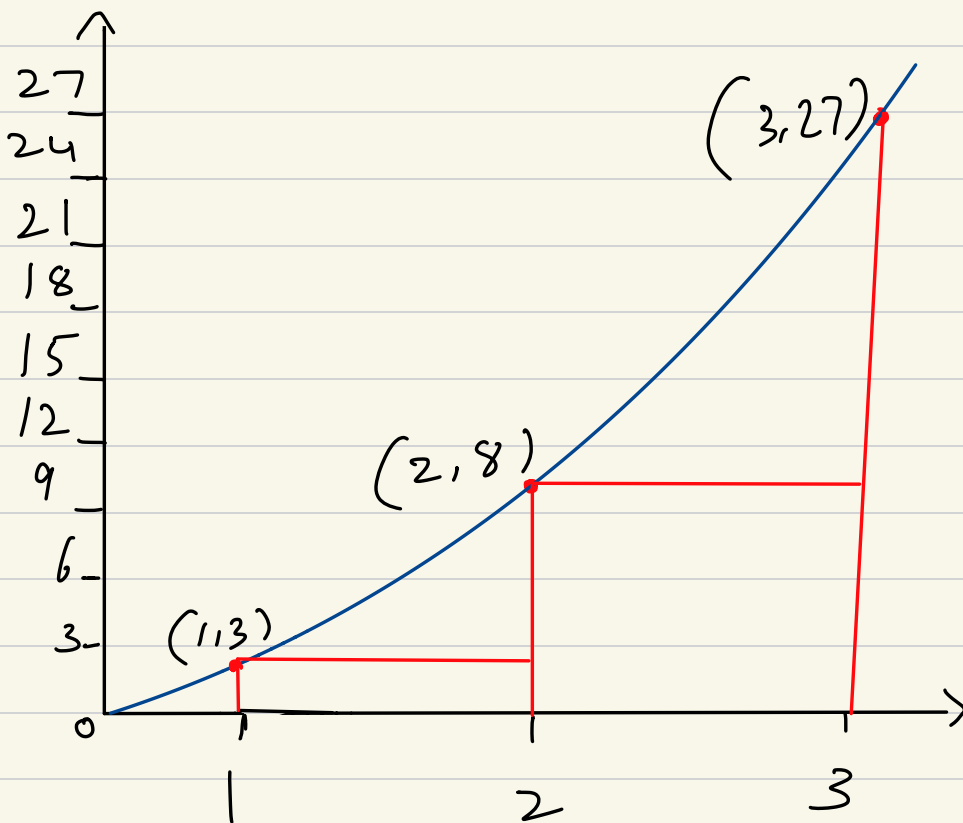


2.) $y(x) = x^3$

x	y
1	1
2	8
3	27



1.)

Rectangle
 $1 \times 3 = 3$

Triangle
 $\frac{1}{2} \times 1 \times 5$

Total
 $3 + \frac{5}{2} = 11\frac{1}{2}$

2.)

$1 \times 8 = 8$

$\frac{1}{2} \times 1 \times 19$

$8 + \frac{19}{2} = 23\frac{1}{2}$

$= 28.5$

Total area under the curve = 28.5