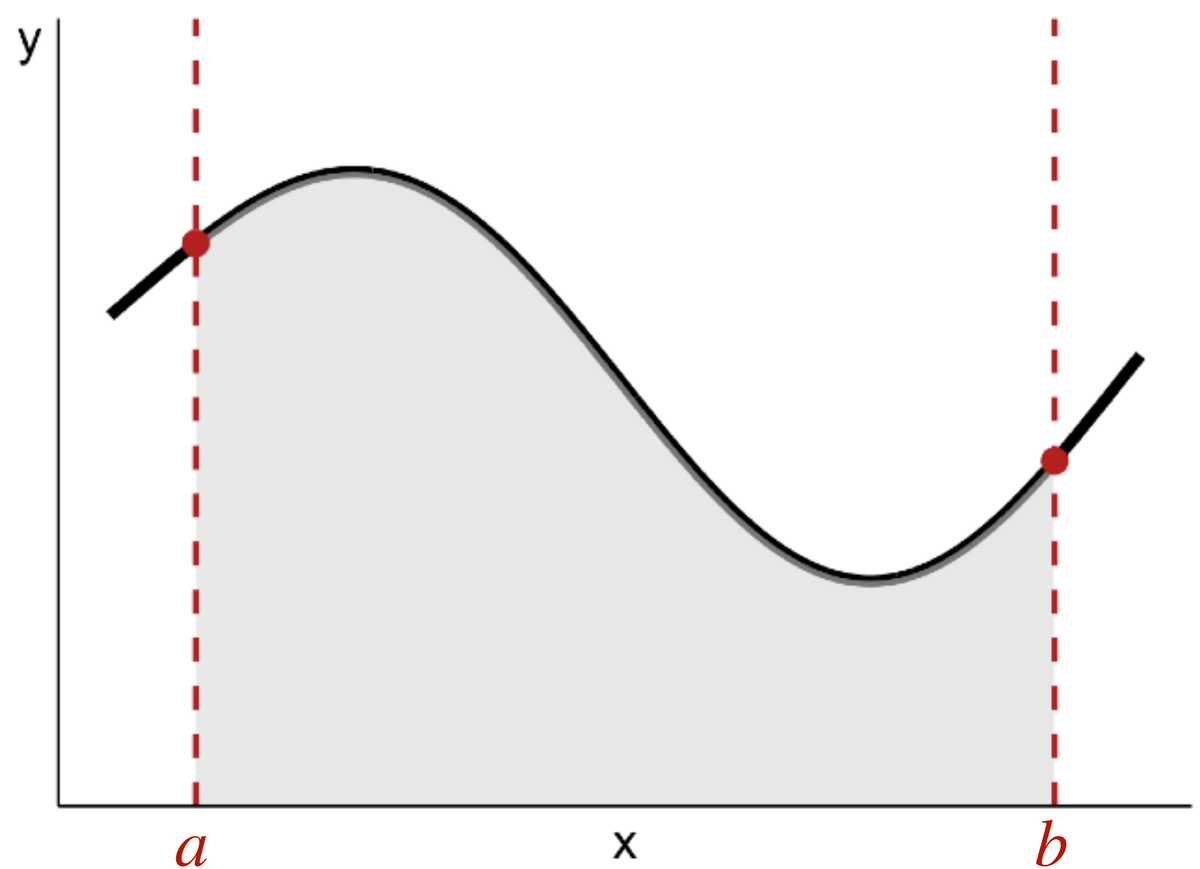
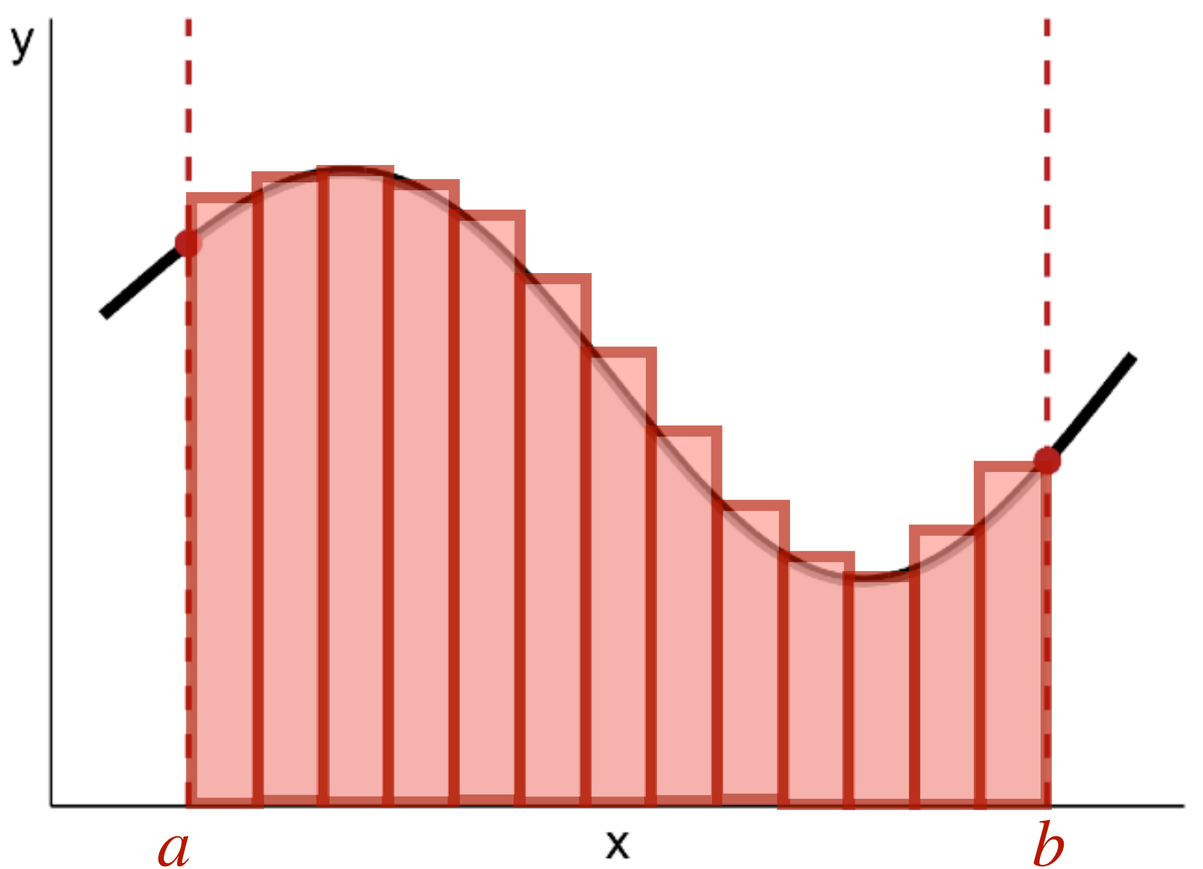
basic idea


y
a
x
b

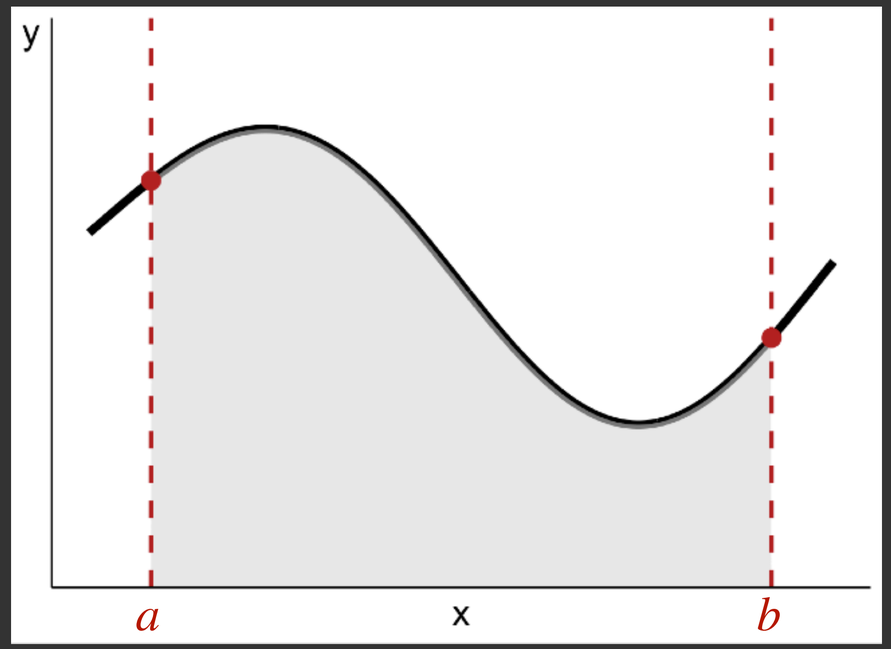

y
a
x
b

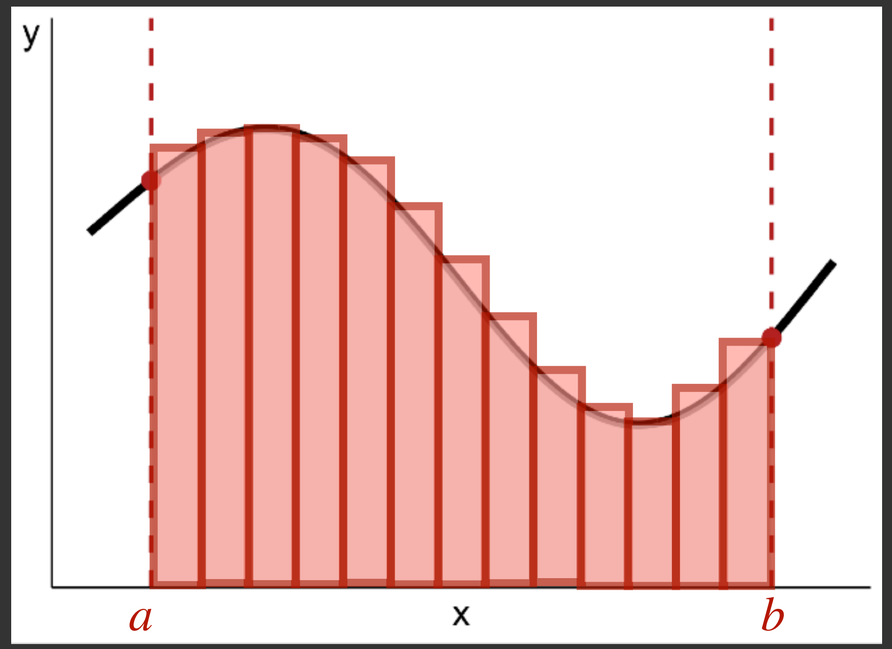
basic idea

We are interested in calculating areas under curves

1. We divide the interval $a \leq x \leq b$ into pieces (equal length)
2. We build a rectangle on each piece, where the top touches the curve
3. We calculate the total area of the rectangles

We watch what happens as we make the division of the "strips" finer and finer…





Riemann sum