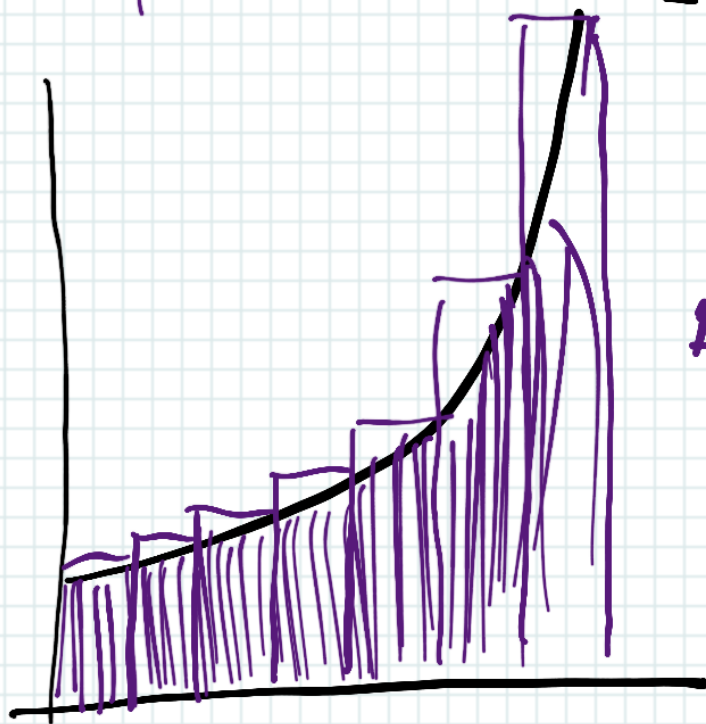
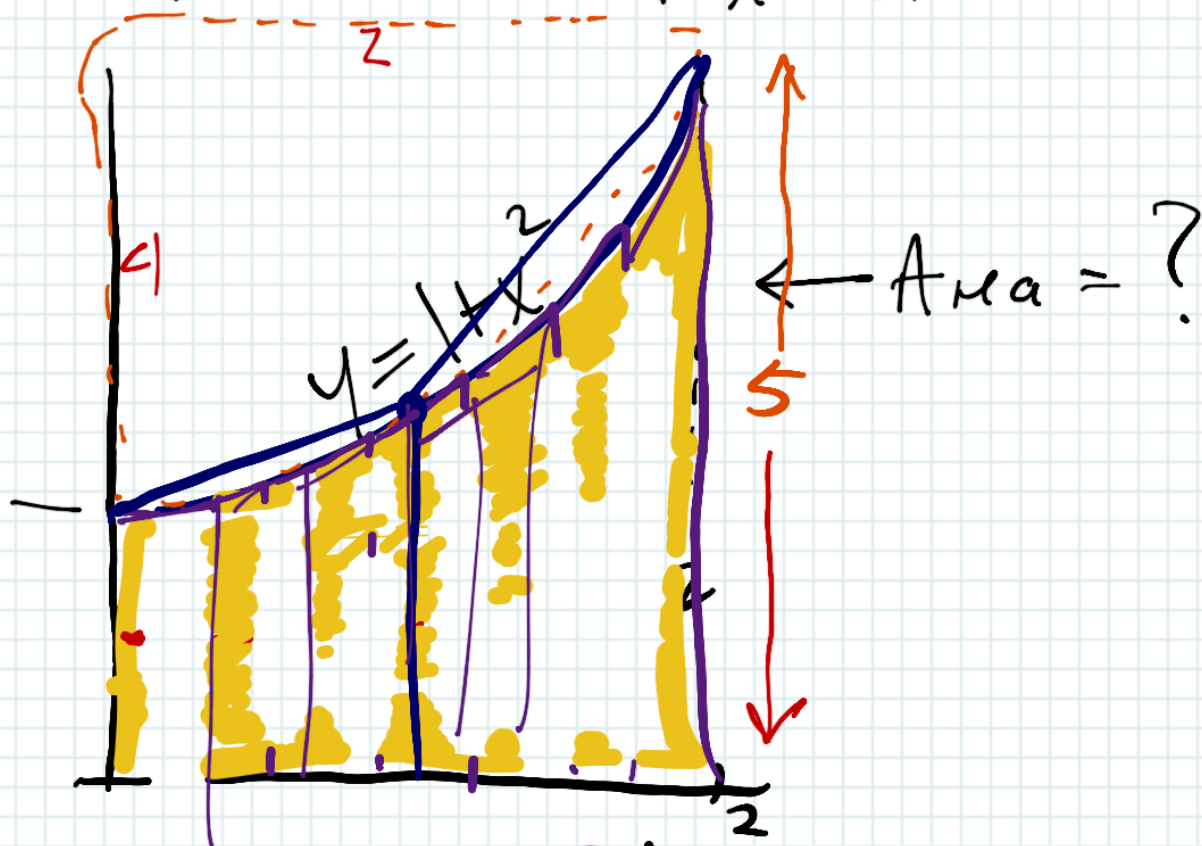
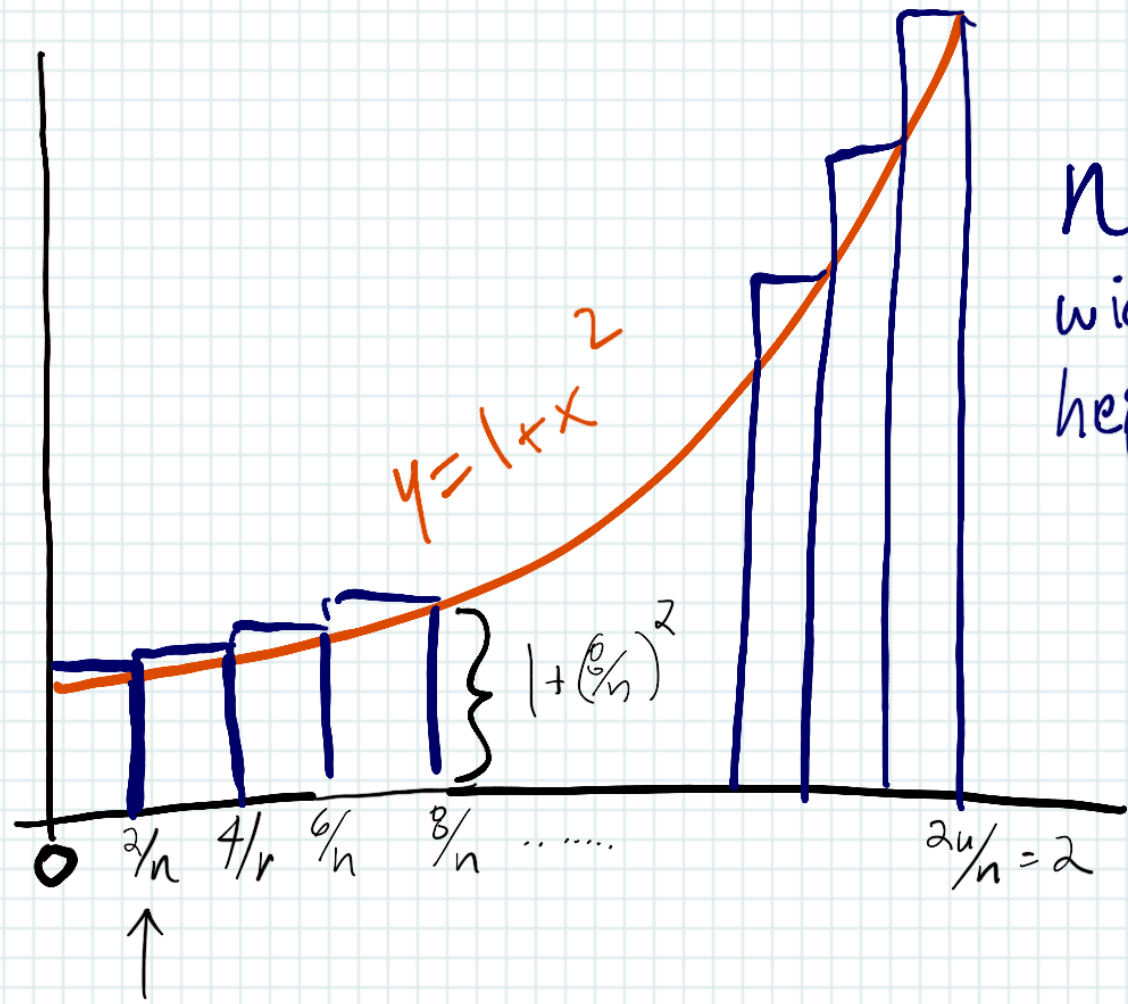


Find the area under the graph of  $f(x) = 1 + x^2$   
between  $x = 0$  &  $x = 2$ .



# of rectangles  $\rightarrow \infty$



$n$  rectangles  
 width:  $\frac{2}{n}$   
 height: