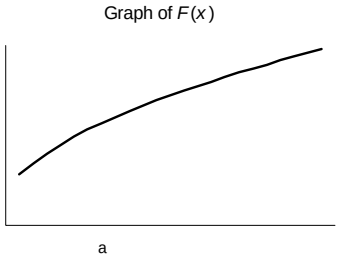
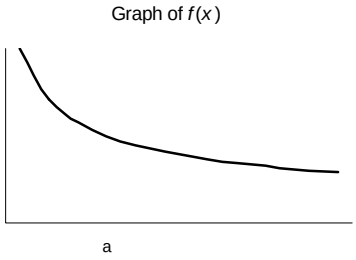
FUNDAMENTAL THEOREM PART 2 NAME_____

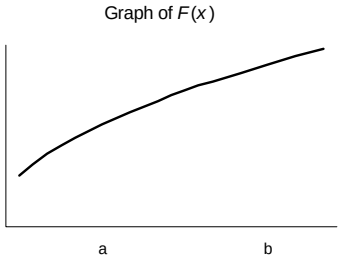
Assume $F'(x) = f(x)$ and the Fundamental Theorem of Calculus applies in each case. Give an illustration for each quantity on the indicated graph.

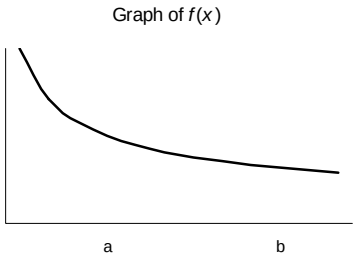
1. $f(a)$



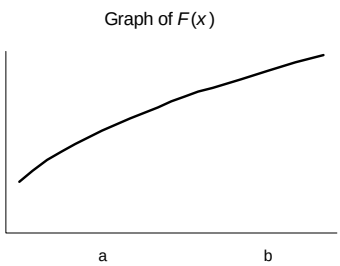


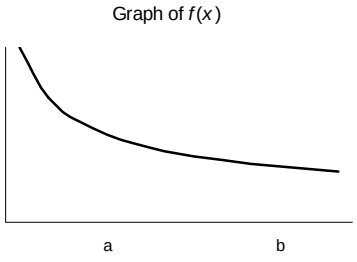
2. $\int_a^b f(x)dx$



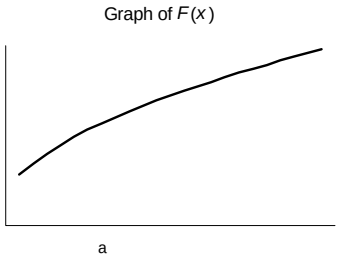


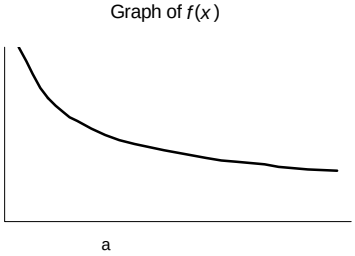
3. $\dfrac{\int_a^b f(x)dx}{b-a}$



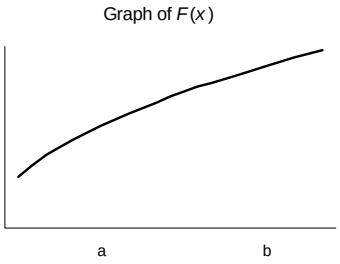


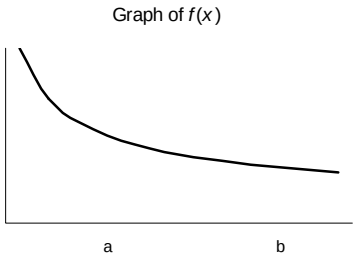
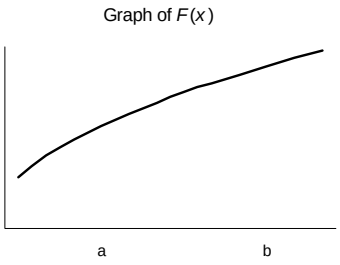
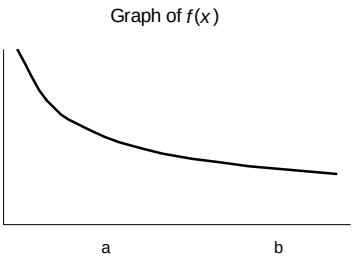
4. $F'(a)$





5. $F(b)-F(a)$





6. $\dfrac{F(b)-F(a)}{b-a}$