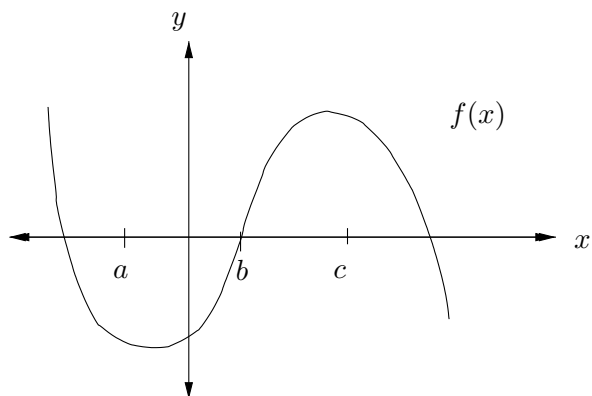
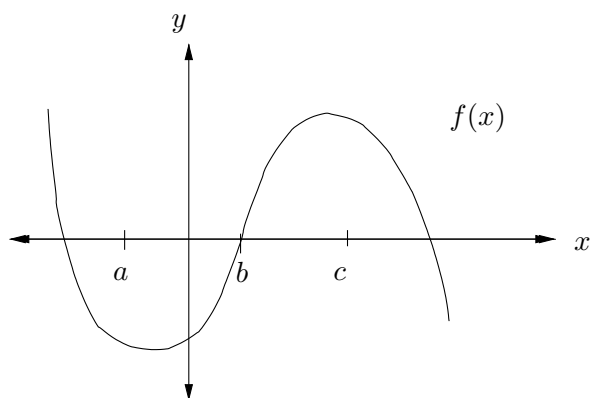


5. (12 points) For parts (a) - (c), on the graphs below, show a graphical interpretation for each of the given expressions, and then explain how the quantities given by the expression relate to your drawings on the graphs.

(a) $\int_a^c f(x) dx$



(b) $f'(a)$



(c) $\frac{f(c) - f(a)}{c - a}$

