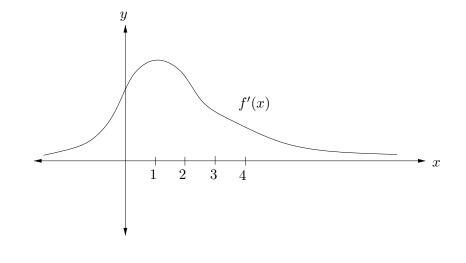
2. (6 points) Using the graph of f'(x) provided, list the following in increasing order:

$$\int_{1}^{3} f'(x)dx, \qquad f(3) - f(2), \qquad f(2) - f(1)$$



_____ less than _____ less than ____

3. (5 points) (a) Briefly explain the difference between the indefinite integral $\int_a^b f(x) dx$ and the definite integral $\int_a^b f(x) dx$.

(b) What is the connection between a Riemann sum and one or more of the integrals in part (a)? Your answer should include a picture and a clear explanation.