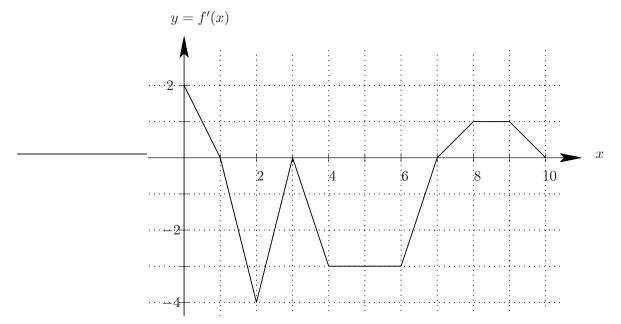
3. (20 points) Use the graph of f'(x) on the closed interval [0, 10] given in the figure below and the fact that f(0) = 5 to answer the following questions.



(a) What is the value of f(3)?

$$f(3) =$$

(b) For $0 \le x \le 10$, what x value(s) (if any) correspond to local maxima of f?

(d) For $0 \le x \le 10$, what x value corresponds to the global minimum of f and what is the value of f(x) at that point?

$$\underline{x} = f(x) =$$

(e) If $H(x) = e^{f'(x)}$, find H'(1.5).