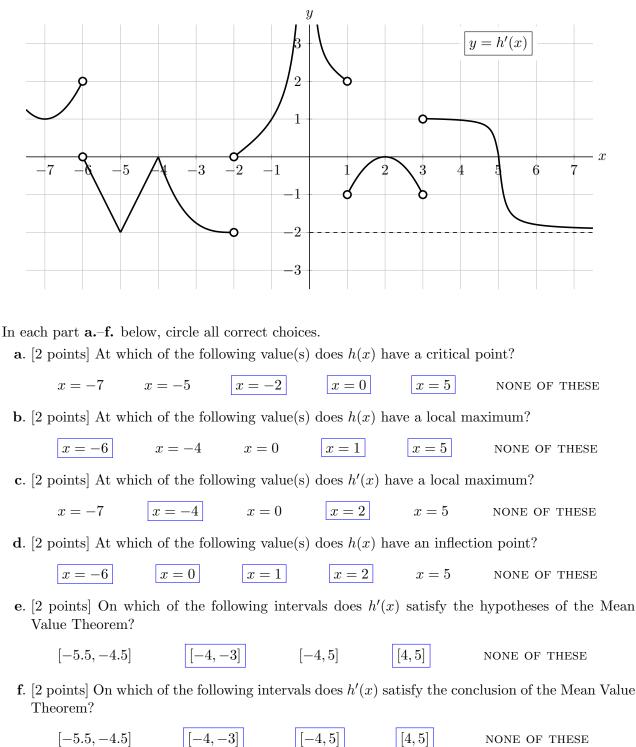
10. [14 points] A function h(x) is defined and continuous on  $(-\infty, \infty)$ . A portion of the graph of h'(x), the derivative of h(x), is shown below. Note that x = 0 is a vertical asymptote of y = h'(x) and that y = -2 is a horizontal asymptote, as indicated.



g. [2 points] Find the following limits. If there is not enough information, write NEI. If a limit diverges to  $\infty$  or  $-\infty$  or if the limit does not exist for any other reason, write DNE.

$$\lim_{x \to \infty} h(x) = \boxed{\text{DNE}(-\infty)} \qquad \qquad \lim_{x \to \infty} h'(x) = \boxed{-2}$$

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