Mathematics 122

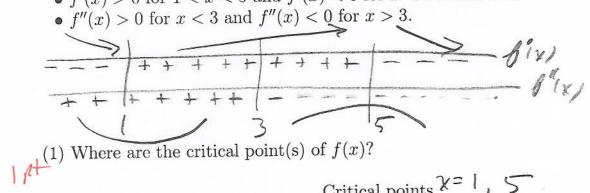
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Name: Kex

You must show your work to get full credit.

Let f(x) be a function with

- f'(x) > 0 for 1 < x < 5 and f'(x) < 0 for x < 1 and x > 5.
- f''(x) > 0 for x < 3 and f''(x) < 0 for x > 3.



Critical points $\chi = 1, 5$

(2) Where are the infection point(s) of f(x)?

Inflection points $\chi = 3$

 \uparrow + (3) For what values of x is the graph y = f(x) concave up?

(4) Draw a possible graph for y = f(x) labeling all local maximums, minimums,

