Reading Quiz #6

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Read Sections 4.3-4.5(pages 240-270) and work out the following problems.

Consider the function $f(x) = x^{1/3}(x+4)$.

1. Find the intervals of increase or decrease.

2. Find the local maximum and minimum values.

3. Find the intervals of concavity and the inflection points.

4. Use the information from parts (a)-(c) to sketch the graph of f.

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