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Mathematics 105: Calculus I
Fall Semester 2009
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Quiz #4

I. Sketch a graph of any function f whose graph contains the points $(1, 2)$, $(5, 2)$, and $(7, 0)$ with the properties:

- A. 1 is a local minimum point.
- B. 5 is a local maximum point.
- C. 7 is a global minimum point.

II. Give the intervals on which f is increasing.