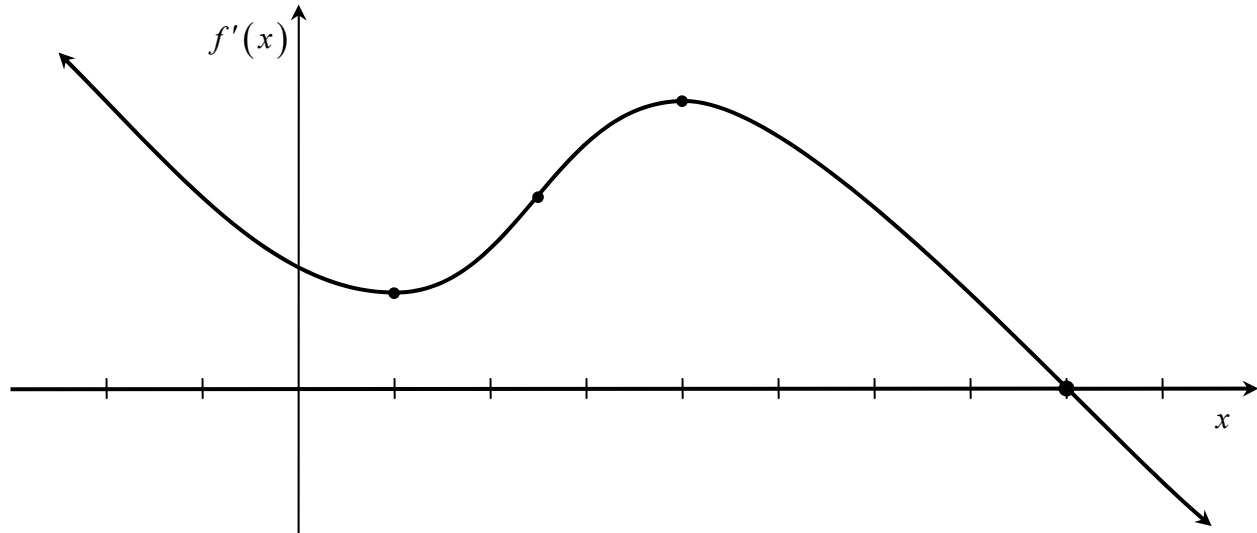


Math 163A section 01 (Barsamian) Group Work for Friday, March 11, 2005

Problem 1 Here is a graph of f' . (This is NOT a graph of f !!)



Answer the following questions about f . (These are NOT questions about f' !!)

- a) For which x -values is f positive, negative, or zero?
- b) For which x -values is f increasing, decreasing, or horizontal?
- c) For which x -values is f concave up or down?
- d) At which x -values does f have a relative max or min?
- e) At which x -values does f have an inflection point?

Problem 2 In a meeting with the company brass, the CEO wants to decide how many bottles of soda the company should manufacture. The CFO, who majored in business and did not do a math minor, shows this graph and recommends that the company manufacture 3 million bottles. You majored in business and also minored in math, and you recommend 7 million. If you can convince the CEO that you are right, you will get that big promotion. Explain why you are right.

