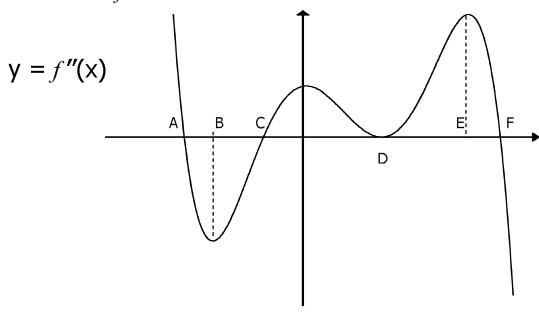
## EMCF28

Log into CourseWare at <a href="http://www.casa.uh.edu">http://www.casa.uh.edu</a> and access the answer sheet by clicking on the EMCF tab.

Note: Choice F is "None of the above" on all the questions.

The graph of the second derivative of f is shown below.



- 1. Give the number of critical numbers of f'.
  - A. 3
- B. 4
- C. 5
- D. 6
- E. 7

- 2. Give the number of values of x where f has an inflection point.
  - A. 0
- B. 1
- C. 2
- D. 3
- E. 4

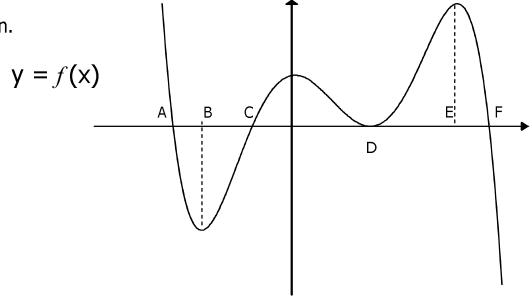
- 3. Give the number of values of x where f' has a local minimum
  - A. 0
- B. 1
- C. 2
- D. 3
- E. 4

- 4. Give the number of intervals where f' is increasing?
  - A. 0
- B. 1
- C. 2
- D. 3
- E. 4

- 5. Give the number of intervals where f' is decreasing?
  - A. 0
- B. 1
- C. 2
- D. 3
- E.

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The graph of f is shown.



- Give the number of critical numbers of f. 6.
  - Α. 3
- B.
- 5 C.
- D. 6
- E. 7

- Give the number of values of x where f has an inflection point. 7.
  - 0 A.
- B. 1
- C. 2
- D. 3
- E. 4
- Give the number of values of x where f' has a local minimum. (f' changes from decreasing 8. to increasing)
  - 0 Α.
- В.
- 1 C.
  - 2 D. 3
- E. 4
- Give the number of values of x where f' has a local maximum. (f' changes from increasing 9. to decreasing)
  - A. 0
- B. 1 C. 2
- 3 D.
- E. 4

- Give the number of values of x where f'' is zero or undefined. 10.
  - Α. 0
- В. 1
- C. 2
- D. 3
- E.

- Give the number of intervals where f'' is positive. 11.
  - Α. 0
- В. 1
- C.

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- D. 3
- E.